

TABLE OF CONTENTS

1. SPECIFICATIONS.....2

2. FEATURE AND TECHNICAL EXPLANATION.....3

FEATURE OF THE WASHING MACHINE.....3

WATER CURRENTS TO ADJUST THE UNBALANCED LOAD3

AUTOMATIC WATER SUPPLY SYSTEM FOR BLANKET WASH.....3

PULSATOR SYSTEM.....4

AUTOMATIC DRAINING TIME ADJUSTMENT.....4

SOFTENER DISPENSER5

AUTOMATIC UNBALANCE ADJUSTMENT6

CIRCULATING-WATER COURSE AND LINT FILTER.....6

DRAIN MOTOR.....7

GEAR MACHANISM ASS'Y8

PRINCIPLE OF BUBBLE GENERATOR.....8

FUNCTIONAL PRINCIPLE OF BUBBLE WASHING MACHINE9

3. STRUCTURE OF THE WASHING MACHINE10

4. FUNCTION OF THE CONTROL PANEL.....11

5. DIRECTIONS FOR INSTALLATION AND USE.....12

HOW TO INSTALL THE WASHING MACHINE.....12

HOW TO CONNECT THE INLET HOSE13

HOW TO INSTALL THE DRAIN HOSE (PUMP MODEL)14

HOW TO CLEAN DRAIN FILTER (PUMP MODEL).....15

HOW TO INSTALL THE DRAIN HOSE (NON PUMP MODEL)16

6. OPERATION17

7. DIRECTIONS FOR DISASSEMBLY AND ADJUSTMENT21

GEAR MACHANISM.....21

8. TROUBLE SHOOTING GUIDE22

CONCERNING WATER SUPPLY22

CONCERNING WASHING.....23

CONCERNING DRAINING24

CONCERNING SPINNING25

CONCERNING OPERATION26

APPENDIX27

WIRING DIAGRAM (PUMP MODEL)27

WIRING DIAGRAM (NON PUMP MODEL).....28

PARTS LIST/PARTS DIAGRAM (PUMP MODEL)29

PARTS LIST/PARTS DIAGRAM (NON PUMP MODEL)35

P.C.B PARTS LIST41

CIRCUIT DIAGRAM.....45

1. SPECIFICATIONS

NO	ITEM		SPECIFICATIONS							
			PN	PM	PL	PT	CNE	CME	CLE	CTE
1	POWER SOURCE	MODEL								
		VOLTAGE	220~230V	240V	220V	110V	220V	230~240V	220V	110V
		FREQUNCE	50Hz	50Hz	60Hz	60Hz	50Hz	50Hz	60Hz	60Hz
2	POWER CONSUMPTION		350W	350W	380W	380W	350W	380W	380W	380W
3	MACHINE WEIGHT		39kg (GROSS WEIGHT: 42kg)							
4	DIMENSION (WxHxD)		550 x 898 x 550 mm							
5	WASHING COURSE		FULL AUTOMATIC 6 OF COURSES (FUZZY, STRONG, SPEED, SUIT, WOOL, BLANKET)							
6	WATER CONSUMPTION		NORMAL 146L							
7	WATER LEVEL SELECTOR		HIGH(52L), MID(44L), LOW(36L), E.LOW(28L)							
8	OPERATING WATER PRESSURE		0.3~8kg/cm ² (2.9N/cm ² ~78.4N/cm ²)							
9	REVOLUTION PER MINUTE		SPIN: 750R.P.M., WASH: 145R.P.M.							
10	PULSATOR		6 WINGS (ø 350mm)							
11	WATER LEVEL CONTROL		ELECTRICAL SENSOR							
12	OUTER CABINET		PAINTING							
13	GEAR MACHANISM ASS'Y		HELICAL GEAR FOR LOW NOISE							
14	LINT FILTER		○							
15	SOFTENER INLET		○							
16	ALARM SIGNAL		○							
17	AUTO. WATER SUPPLY		○							
18	NEW WATER FLOW		WATER FLOW TO ADJUST THE UNBALANCED LOAD							
29	TRANSPARENT WINDOW		○							
20	FUNCTION FOR BUBBLE		○							
21	MAXIMUM MASS OF TEXTILE		5.5kg							

2. FEATURE AND TECHNICAL EXPLANATION

FEATURE OF THE WASHING MACHINE

- 1) The first air bubble washing system in the world.
- 2) Quiet washing through the innovational low-noise design.
- 3) The wash effectiveness in much more enhanced because of the air bubble washing system.
- 4) The laundry detergent dissolves well in water because of the air bubble washing system.
- 5) The adoption of the water currents to adjust the unbalanced load.
- 6) One-touch operation system.

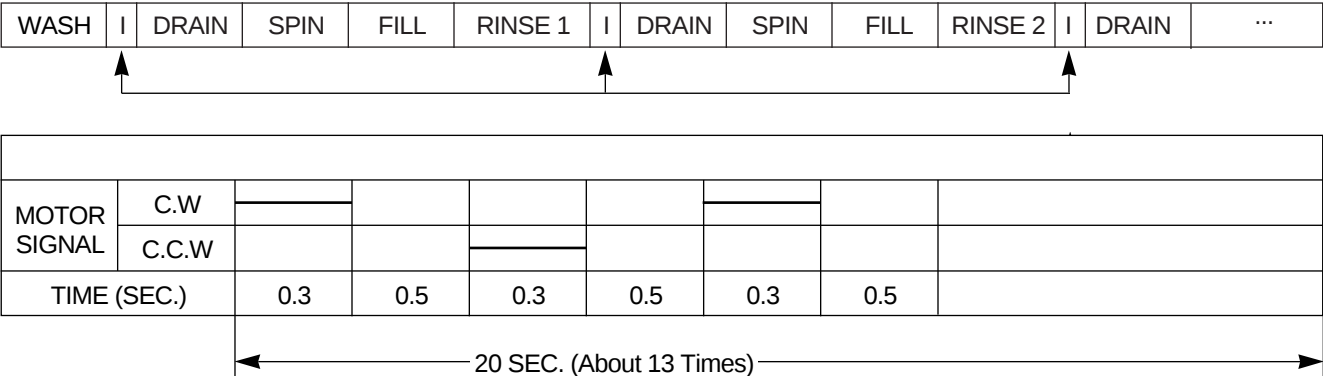
WATER CURRENT TO ADJUST THE UNBALANCED LOAD

It is a function to prevent eccentricity of the clothes after wash by rotating pulsator C.W and C.C.W for 20 seconds. (But, the SUIT & SILK course have no operation of the water currents to adjust the unbalanced load.)

EFFECT

It reduces vibration and noise effectively while spinning.

WATER FLOW

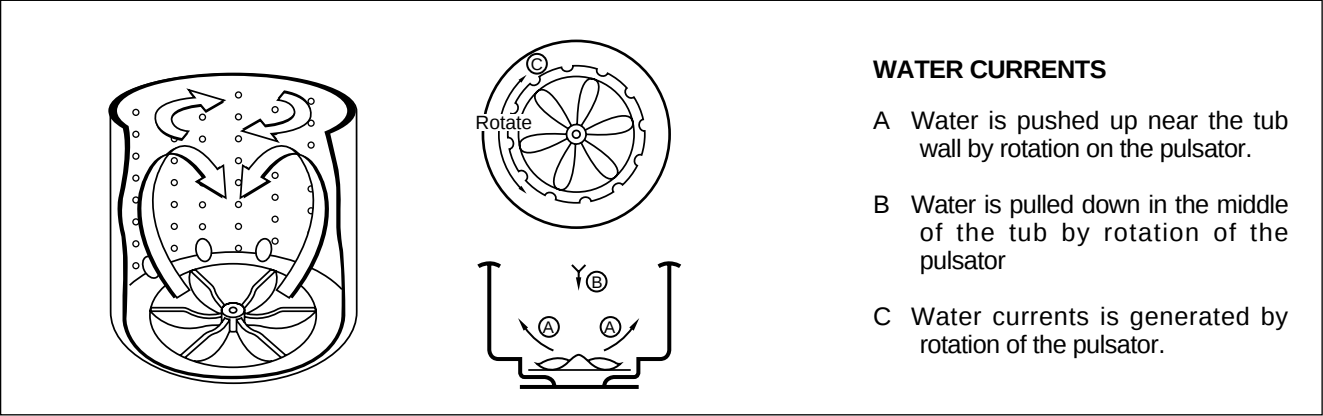


AUTOMATIC WATER SUPPLY SYSTEM FOR BLANKET WASH

The water level would be lowered because the blanket absorbs water at the beginning of washing. Therefore, after 30 seconds, the operation is interrupted to check the water level, and then the water is supplied again until the selected water level is reached.

PULSATOR SYSTEM

When the new shaped pulsator is rotated C.W or C.C.W at a high speed, it makes the 'heart-shaped' water currents as shown below.



AUTOMATIC DRAINING TIME ADJUSTMENT

This system adjusts the draining time automatically according to the draining condition.

Draining condition	Good draining	The washer begins spin process after drainage.
	Bad draining	Draining time is prolonged.
	No draining	Program is stopped and gives the alarm.

FUNCTIONAL PRINCIPLE

- 1) The micom can remember the time from the beginning of drain to reset point when the pressure switch reaches to "OFF" point.

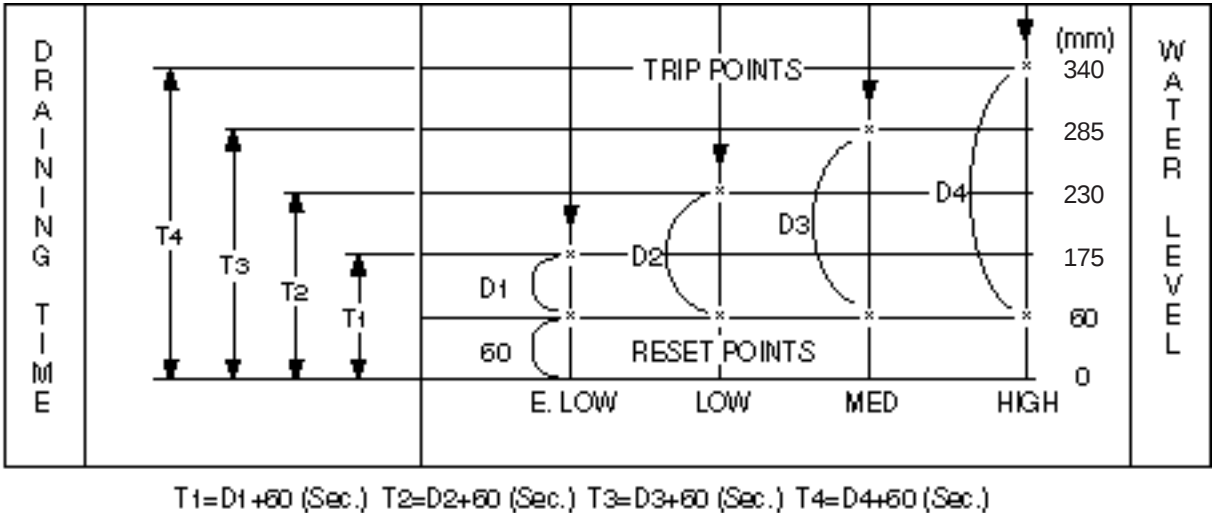
Drain Time	Movement of the program
Less than 4 minutes	Continue draining.
More than 4 minutes	Program stops and gives the alarm with the display lamp.

- 2) In case of continuous draining, residual drain time is determined by micom.

Draining time as a whole = $D + 60$
(T sec.)

Residual drain time.

The time remembered by micom.



SOFTENER DISPENSER

This is the device to dispense the softener automatically by centrifugal force.
This is installed inside the auto-balancer.

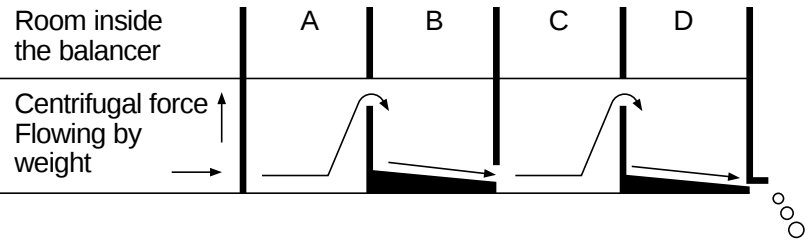
FUNCTIONAL PRINCIPLE

- 1) Softener stays in room (A) when poured into softener inlet.
- 2) Softener moves from (A) to (B) by centrifugal force during intermittent spin process.
- 3) Softener flows from (B) to (C) during rinse process next to intermittent spin.
- 4) Softener moves from (C) to (D) by centrifugal force during second intermittent spin.
After spin process is finished, the softener is added into the tub through softener outlet.

FLOW OF THE SOFTENER

	Wash	Intermittent Spin	Hold	Intermittent Spin	Rinse	Spin
Normal Course	Centrifugal force (A) → (B)		Flow in (C)	Centrifugal force (D)	Flow in	

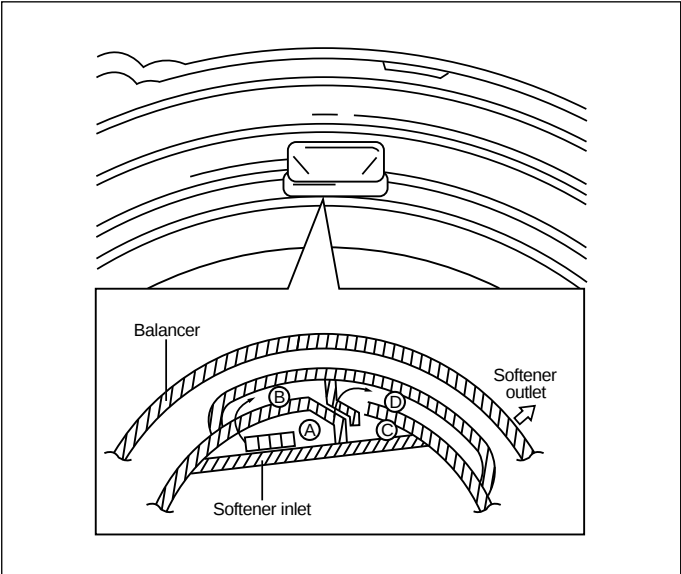
FLOW OF THE SOFTENER INSIDE OF THE BALANCER



NOTE: Softener moves into the next room when r.p.m. of the tub is more than 100 r.p.m.

HOW TO CHECK MOVEMENT

Pour a reasonable amount of "MILK" into softener dispenser and operate the washer with no load. In final rinse cycle, make sure that the milk is added into the tub through softener outlet.

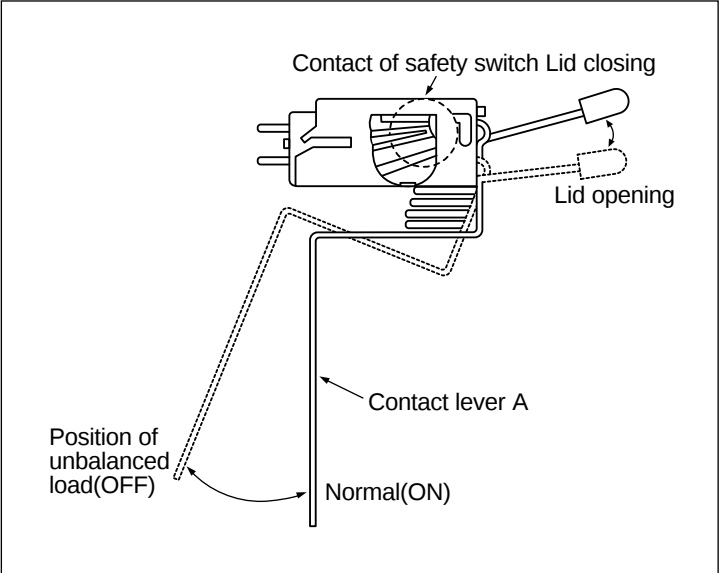


AUTOMATIC UNBALANCE ADJUSTMENT

This system is to prevent abnormal vibration during intermittent spin and spin process.

FUNCTIONAL PRINCIPLE

- 1) When the lid is closed, the safety switch contact is "ON" position.
- 2) In case that wash loads get uneven during spin, the outer tub hits the safety switch due to the serious vibration, and the spin process is interrupted.
- 3) In case that P.C.B. ASS'Y gets "OFF" signal from the safety switch, spin process are stopped and rinse process is started automatically by P.C.B. ASS'Y.
- 4) If the safety switch is operated due to the unbalance of the tub, the program is stopped and the alarm is given.

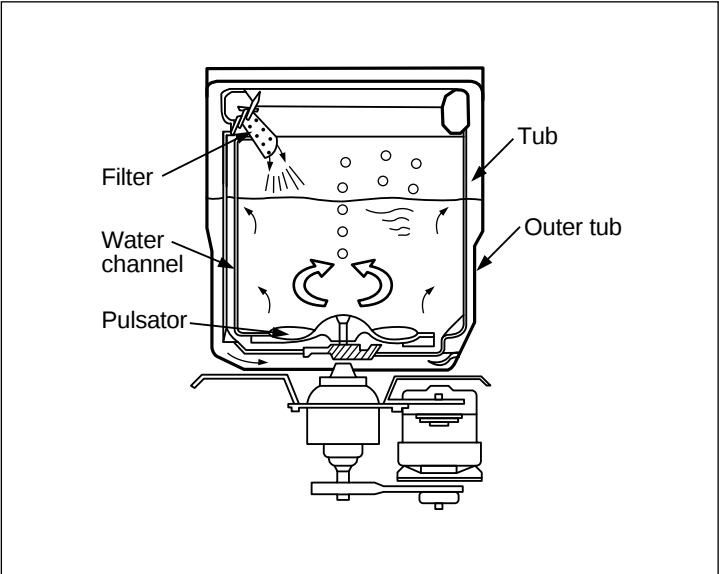


NOTE:
The alarm finished when you close the lid after opening it.
Check the unbalance of the wash load and the installation condition.

CIRCULATING-WATER COURSE AND LINT FILTER

CIRCULATING-WATER

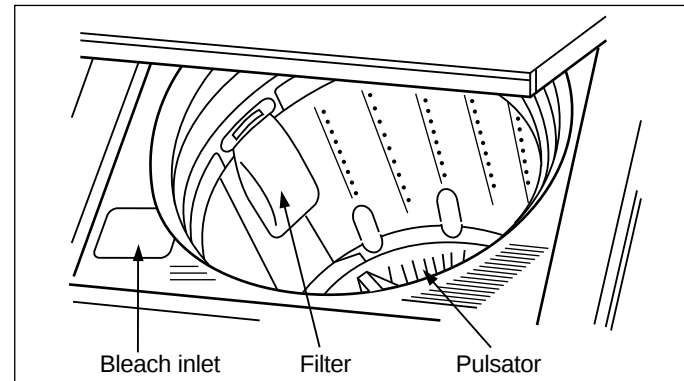
The washing and rinsing effects have been improved by adopting the water system in which water in the tub is circulated in a designed pattern. When the pulsator rotates during the washing or rinsing process, the water below the pulsator vanes creates a water currents as shown in figure. The water is then discharged from the upper part of the tub through the water channel. About 40L/min. water is circulated at the 'high' water level, standard wash load and standard water currents.



LINT FILTER

Much lint may be obtained according to the kind of clothes to be washed and some of the lint may also sticks to the clothes.

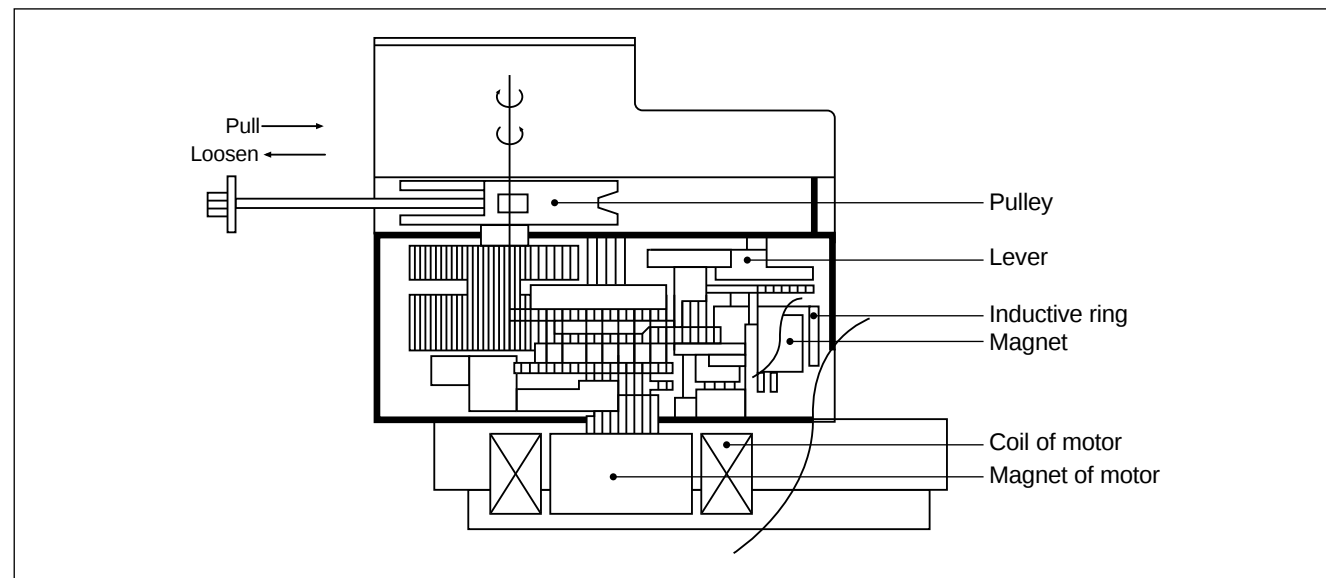
To minimize this possibility a lint filter is provided on the upper part of the tub to filter the wash water as it is discharged from the water channel. It is good to use the lint filter during washing.



HOW TO CLEAN THE LINT FILTER

- 1) Pull the filter frame upward.
- 2) Turn the lint filter inside out, and wash the lint off with water.
- 3) Return the filter as it was, and fix the filter frame to the slot.

DRAIN MOTOR STRUCTURE

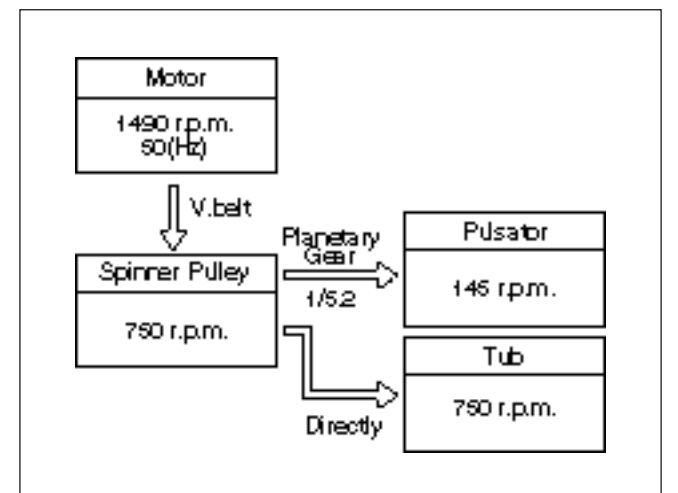
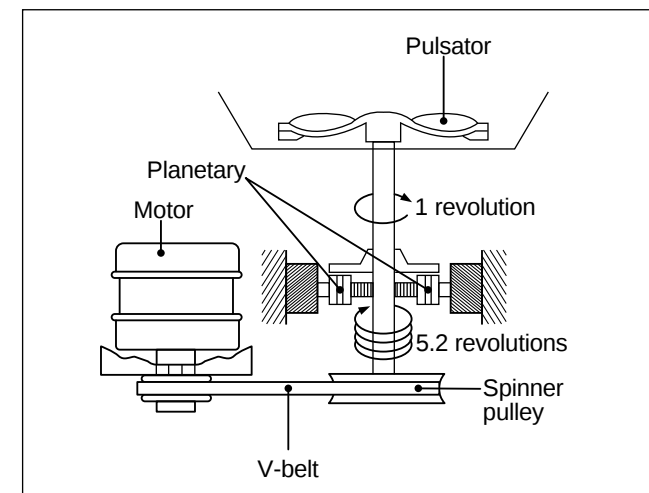
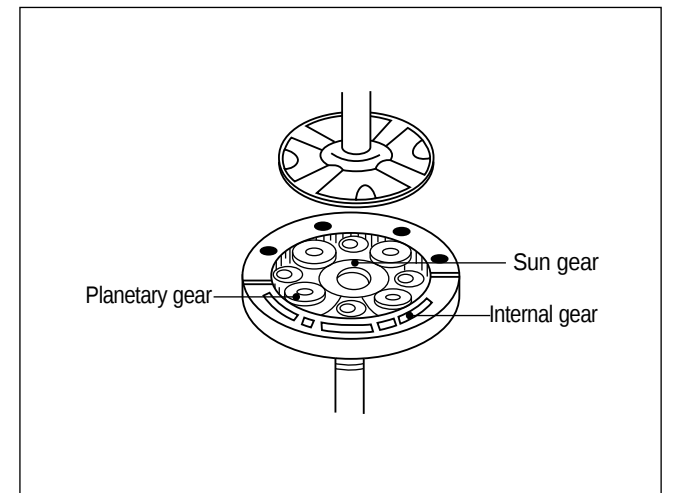
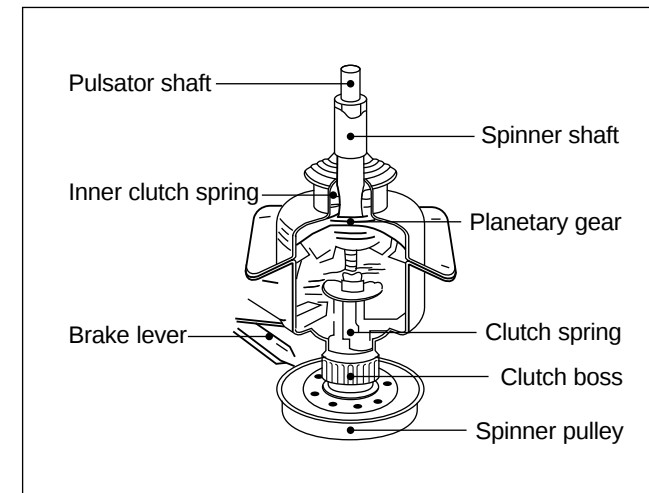


FUNCTIONAL PRINCIPLE

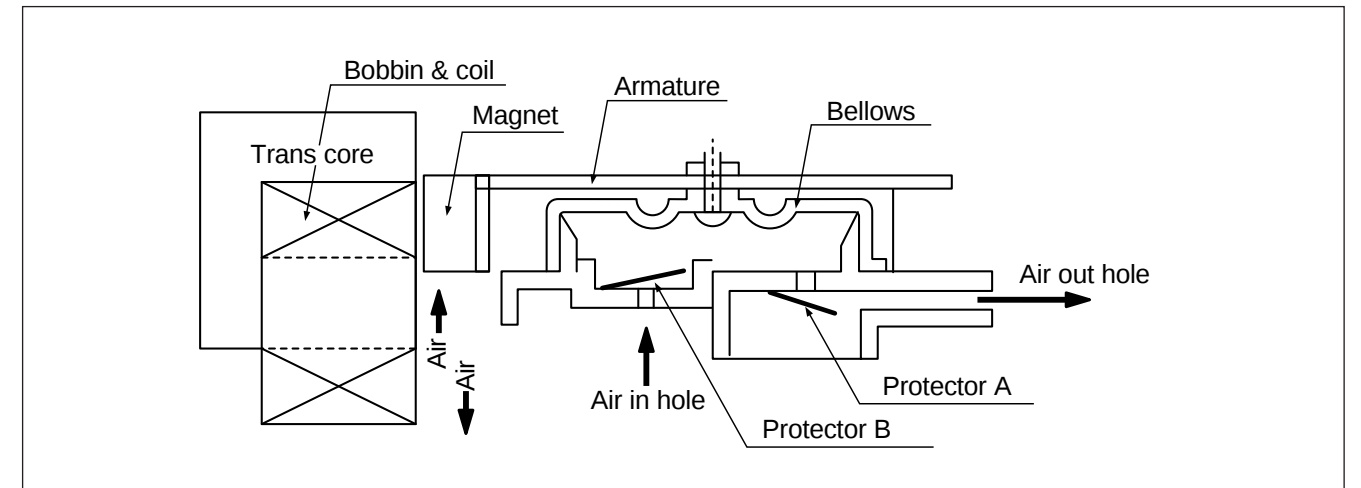
- 1) When the DRAIN MOTOR connected to the power source (AC 220V), the DRAIN MOTOR rotates with 900 r.p.m and revolves the pulley by gear assembly for reducing.
- 2) When the pulley is rotated, the pulley winds the wire to open the drain valve.
- 3) Therefore, rotation of pulley is changed to the linear moving of wire.
- 4) The wire pulls the brake lever of Gear Mechanism Ass'y within 5 seconds.
- 5) After the wire pulled, gear assembly is separated from motor and condition of pulling is held by operation of the lever.
- 6) When the power is turned off, the drain valve is closed because the wire returns to original position.

GEAR MECHANISM ASS'Y

The proper water currents is made by the rotation of pulsator at a low speed (about 145 r.p.m) to prevent the damage to the small sized clothes.



PRINCIPLE OF BUBBLE GENERATOR STRUCTURE

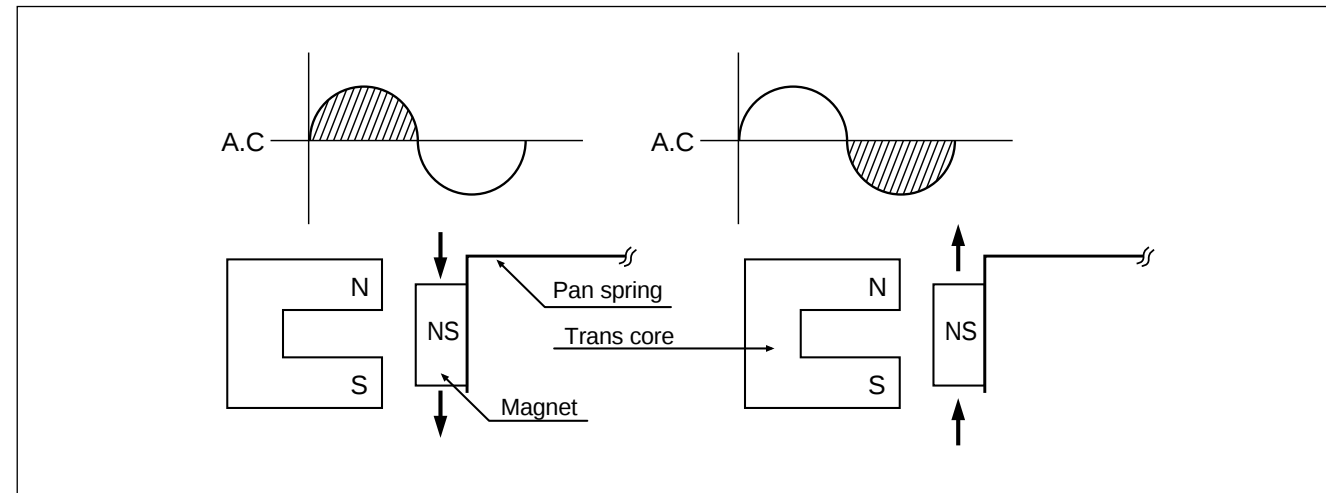


PRINCIPLE OF INTAKE & OUTLET OF THE AIR

INTAKE : ARMATURE moves up, and BELLOWS inhales the air. At the same time, protector B is open and A is close.
OUTLET: ARMATURE moves down, and BELLOWS exhales the air. At the same time, protector B is close and A is open.

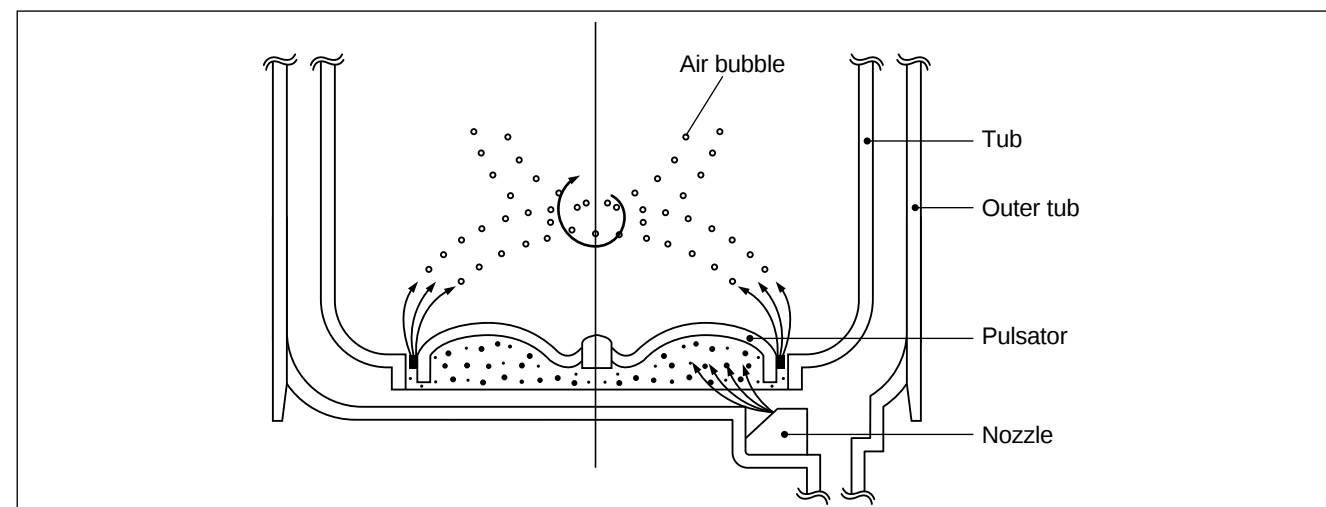
FUNCTIONAL PRINCIPLE OF TRANS & MAGNET

- The phase of A.C electric power changes to 60 cycle/second.
- The magnetic pole of trans core is changed by the change of the phase of A.C electric power.
- The core repeats push and pull (3600 times/min.) of the armature magnet.



FUNCTIONAL PRINCIPLE OF BUBBLE WASHING MACHINE

CROSS SECTION



FUNCTIONAL PRINCIPLE

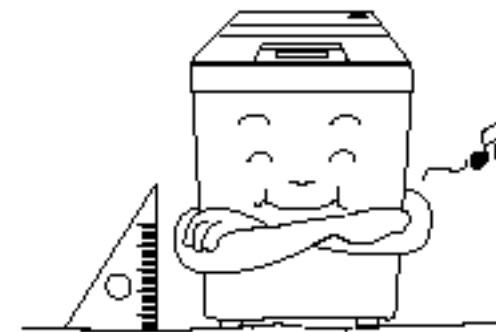
Bubble generator supplies the air from the bottom of outer tub to the inner space of pulsator, the air is dispersed by the rotation of pulsator. Air-bubble is created by the centrifugal force, and rises up.

5. DIRECTION FOR INSTALLATION AND USE

HOW TO INSTALL THE WASHING MACHINE

SELECTION OF THE INSTALLING PLACE

Install the washer on a horizontal solid floor.
If the washer is installed on an unsuitable floor, it could make considerable noise and vibration.

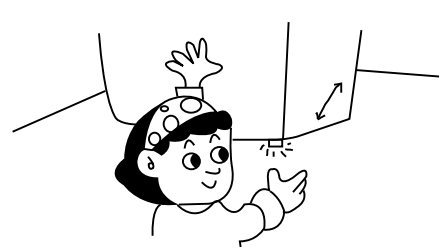


Never install in these places

- The place where it would be exposed to direct sunlight.
- The place nearby a heater or heat appliance.
- The place where it would be supposed to be frozen in winter.
- The kitchen with coal gas and a damp place like a bathroom.

- The proper installation of the washing machine can increase the wash effectiveness and the life of it.

HOW TO INSTALL ON AN INCLINED PLACE

① Height Setting	② Check the Horizontal Status
• After controlling the height by turning the adjustable legs, let the washer put down to the ground. 	• Check the position of tub above the center of the washer. 

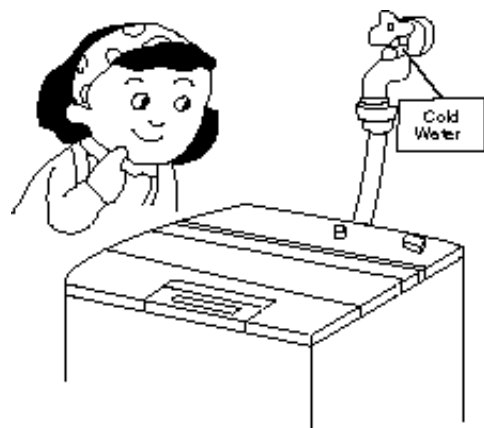
NOTES:

- The opening must not be obstructed by carpeting when the washing machine is in-stalled on a carpeted floor.
- If the washer is installed on an inclined floor, it could make considerable noise and vibration, and could cause a malfunction.
- Use the height adjust rubber to adjust the washing machine so that it sits property.

HOW TO CONNECT THE INLET HOSE

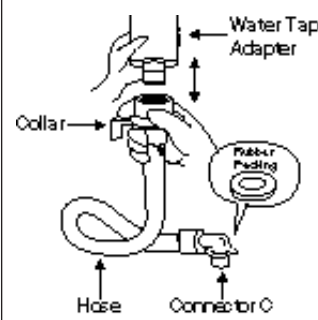
IN INSTALLING THE INLET HOSE

Be careful not to mistake in supplying hot and cold water. In using only one water tap, connect the inlet hose to the cold water inlet.

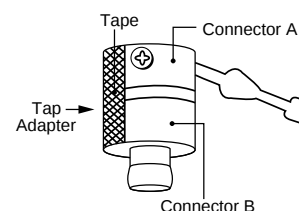


• FOR ORDINARY-SHAPED TAP

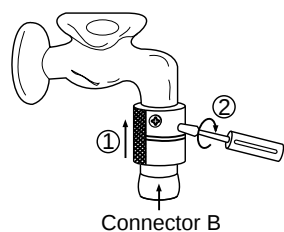
- 1 Pull down the collar of the inlet hose to separate it from the water tap adapter.



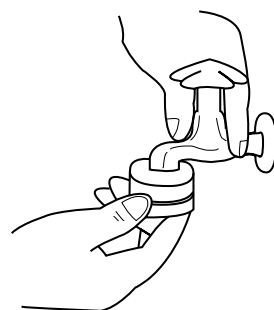
- 2 Loosen the four screw at the water tap adapter, but don't loosen the screws until they are separated from the water tap adapter.



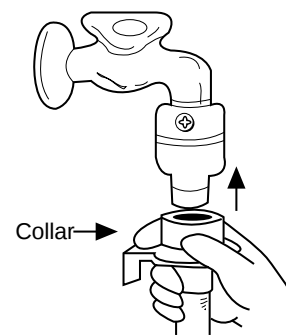
- 3 Connect the water tap adapter to the water tap, and tighten the four screws evenly while pushing up the adapter so that the rubber packing can stick to the water tap tightly.



- 4 Remove the tape, and screw connector B into connector A tightly.



- 5 Connect the inlet hose to the water tap adapter by pulling down the collar of the hose end.



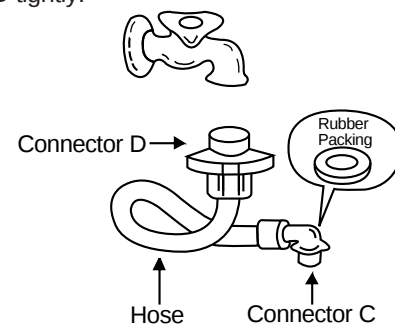
- 6 Connect the connector C of the inlet hose to the water inlet of the washer by turning it clock-wise to be fixed tightly.



• Please check the rubber packing inside the connector C of the inlet hose.

• FOR SCREW-SHAPED TAP

- 1 Connect the inlet hose to the water tap by screwing the connector D tightly.



- 2 Connect the connector C of the inlet hose to the water inlet of the washer by turning it clockwise to be fixed tightly.

• Please check the rubber packing inside the connector C of the inlet hose.

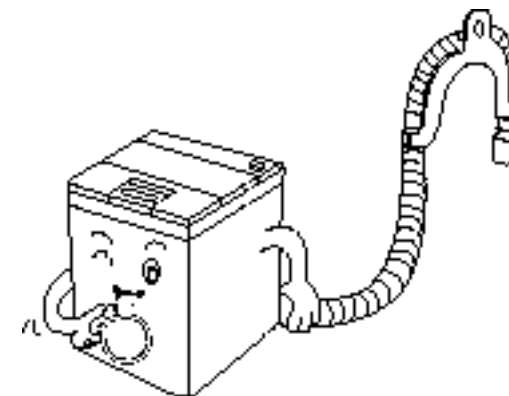


HOW TO INSTALL THE DRAIN HOSE (PUMP MODEL)

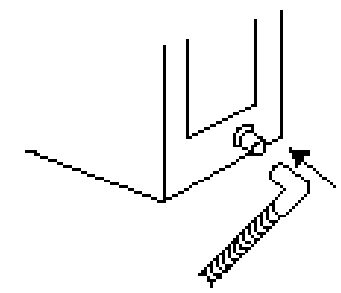
Installation Of The Drain Hose

Never forget to install drain hose before operating this washing machine.

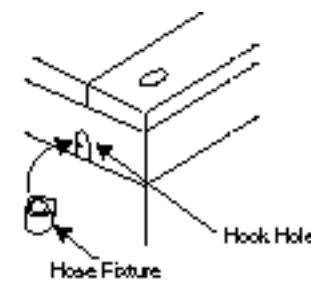
When machine. When the packing box is opened, there are a drain hose, a clamp, and a hose fixture.



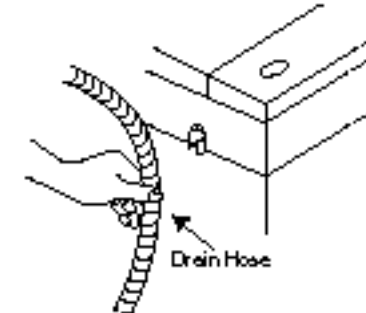
- 1 Connect the drain hose to the drain outlet at the back side of the washing machine, and fasten it tightly with the clamp supplied.



- 2 Insert the hose fixture into hook hole on the left side or right side of the body.



- 3 Fix the drain hose by inserting it into the hose fixture.

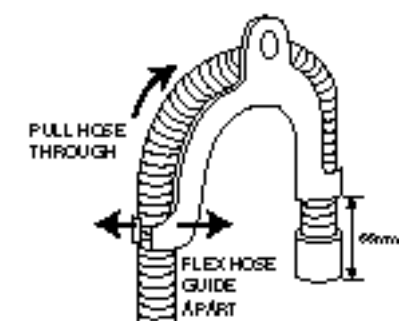


- 4 Hang the guide drain hose on the edge of a sink.



NOTES:

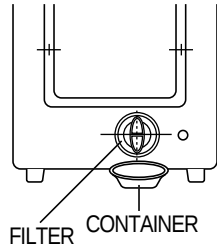
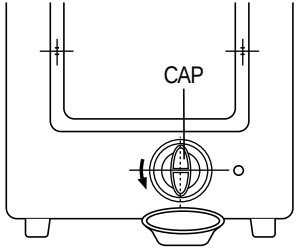
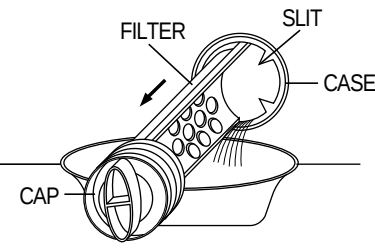
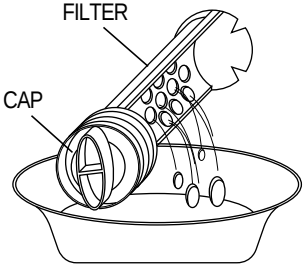
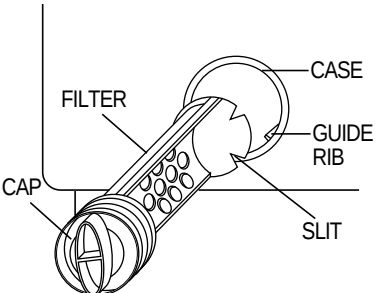
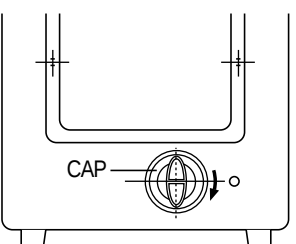
1. Keep the drain hose fixed tightly in the hose fixture
2. Be sure that the height of the "U" shaped outlet is more than 1m above the floor. If not so, the water in the washer could be drained during operation
3. Be sure that the height of the drain hose must be less than 1.5m above the floor.
If not so, the water in the washer could not drain.
4. Connect drain hose th tub or standpipe.
The hose guide, included in the accessory kit, is to guide the drain hose over the tub or standpipe.
It MUST be fitted to the drain hose.
The drain hose should not extend more than 20mm from the end of the guide (this is to prevent syphoning).
If the necessary the drain hose can be trimmed to length.



HOW TO CLEAN DRAIN FILTER (PUMP MODEL)

In this washer machine, the drain filter is equipped at the back side of it.
This drain filter is to screen the foreign stuffs such as threads, coins, pins, buttons etc..
And this should be cleaned frequently (every 5 times of use) for its smooth operation.
Drain problem could be caused if the drain filter is not cleaned at proper time.
Please keep it clean.

In case you clean the drain filter, please follow the instructions as below.

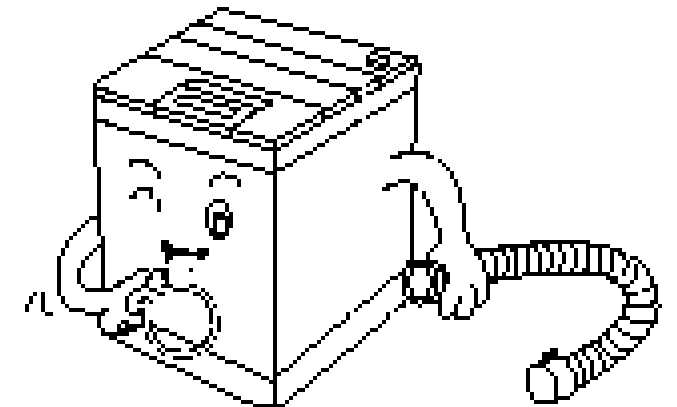
① Remove the remained water Put down the remained water in the hose. And put a container under the filter to collect water. 	② Unscrew the cap. Turn the cap counter clockwise. 	③ Release the filter assembly Pull out the filter assembly off the case of the main body. 
④ Remove the foreign stuffs Clean the drain filter removing the foreign stuffs. 	⑤ Put the filter assembly back Put in the filter along the guiding prominence of the case. Please note the right position of the filter adjusting the groove to the guide rib. 	⑥ Lock the cap. Turn the cap clockwise tightly. 

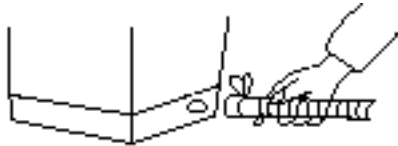
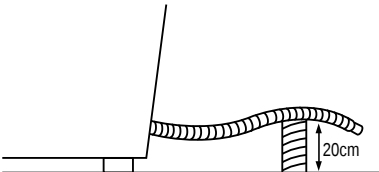
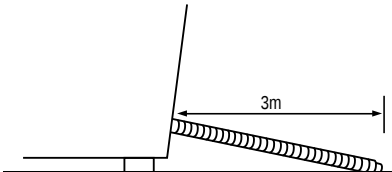
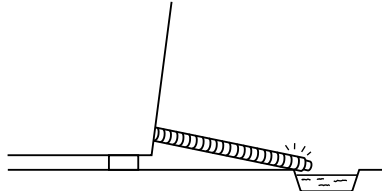
NOTES: During the operation, the "OE" signal means drain error can be displayed on the control panel.
In this case, the main cause of that problem is the blocking of the drain filter.
If you clean the drain filter following above instructions, you could continue the normal operation of the washing machine to reset the program, please turn the power off and on again.

HOW TO INSTALL THE DRAIN HOSE (NON PUMP MODEL)

Installing Drain Hose

Widen the drain hose clamp and insert the drain hose into the drain tap together with drain hose.
Dipping the end of the drain hose in warm water makes easy to insert the drain hose.



① Insert the drain hose into the drain tap. 	② Secure the clamp around the end of the drain hose. 	
• In case that it goes over a doorsill. Don't let the height of the drain hose exceed 20cm from the ground. 	• In case of extending the drain hose. Don't let the total length exceed 3m. 	• Be careful that the end of the drain hose is not immersed in water. 

6. OPERATION

FULL AUTOMATIC COURSE	① COURSE SELECTION	② WATER TEMPERATURE SELECTION (IF NECESSARY)
	 Keep, pushing untile the lamp reaches a wanted course, or push it one by one.	 You can dicide which water should be input (or supplied) at wash and rinse process.
	FUZZY • For genetal clothes.	• Auto matically : COLD • You can change the way of water filling. • Manually : COLD → WARM → HOT
	STRONG • For jeans, sports wear, knapsack, heavy solied clothes, etc...	• Auto matically : COLD • Manually : COLD → WARM → HOT
	SPEED • For light or less dirth wash.	• Auto matically : COLD • Manually : COLD → WARM → HOT
	SUIT • For wool suit, jacket, coat, kniwear and other dry cleaning clothes.	• To avoid damage on the clothes, the water temperature is fixed to “COLD”. • That means only cold water is used at this course to avoid shrinkage and deformation of the clothes.
	WOOL • For silk bluse, lingerie, delicate cotton clothes, etc...	
	BLANKET • For blanket, curtain, carpet, etc...	• Auto matically : COLD • You can change the way of water filling. • Manually : COLD → WARM → HOT

③ WATER LEVEL SELECTION (IF NECESSARY)	④ START
 You can select four kinds of water levels.	 Push this button to start the program.
• Artificial brain computer senses the wash load and sets the water level automatically. • Manually : E. LOW → LOW → MEDIUM → HIGH	
• Automatically : HIGH • Manually : HIGH → E. LOW → LOW → MEDIUM	
• Automatically : LOW • Manually : LOW → MEDIUM → HIGH → E. LOW	
• To avoid damage on the clothes, the water level is fixed to “MEDIUM”	
• Automatically : HIGH • Manually : HIGH → E.LOW → LOW → MEDIUM	

EACH COURSE	① COURSE SELECTION	② WATER TEMPERATURE SELECTION (IF NECESSARY)
	 Keep, pushing untile the lamp reaches a wanted course.	 You can dicide which water should be input (or supplied) at wash and rinse process.
	ONLY WASH  (15 min. → 40 min. → 0 → 3 min. → 6 min)	• Automatically : COLD • Manually : COLD → WARM → HOT
	ONLY RINSE  (2 times → 3 times → 0 → 1 times)	• Automatically : COLD • Manually : COLD → WARM → HOT
	ONLY SPIN  (5 min. → 7 min. → 0 → 1 min. → 3 min)	• Automatically : COLD • Manually : COLD → WARM → HOT
	WASH → RINSE → SPIN	• Automatically : COLD • Manually : COLD → WARM → HOT
	WASH → RINSE	• Automatically : COLD • Manually : COLD → WARM → HOT
	WASH → SPIN	• Automatically : COLD • Manually : COLD → WARM → HOT
	RINSE → SPIN	• Automatically : COLD • Manually : COLD → WARM → HOT

③ WATER LEVEL SELECTION (IF NECESSARY)	④ START
 You can select four kinds of water levels.	 Push this button to start the program.
• Automatically : — • Manually : E. LOW → LOW → MEDIUM → HIGH	
• Automatically : — • Manually : E. LOW → LOW → MEDIUM → HIGH	
—	
• Automatically : — • Manually : E. LOW → LOW → MEDIUM → HIGH	
• Automatically : — • Manually : E. LOW → LOW → MEDIUM → HIGH	
• Automatically : — • Manually : E. LOW → LOW → MEDIUM → HIGH	
• Automatically : — • Manually : E. LOW → LOW → MEDIUM → HIGH	

7. DIRECTIONS FOR DISASSEMBLY AND ADJUSTMENT

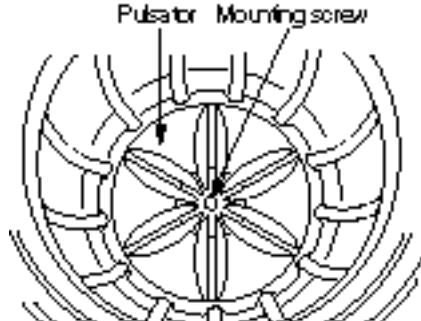
WARNING
BEFORE ATTEMPTING TO SERVICE OR ADJUST ANY PART OF THE WASHING MACHINE, DISCONNECT THE POWER CORD FROM THE ELECTRIC OUTLET.

GEAR MECHANISM ASS'Y REPLACEMENT

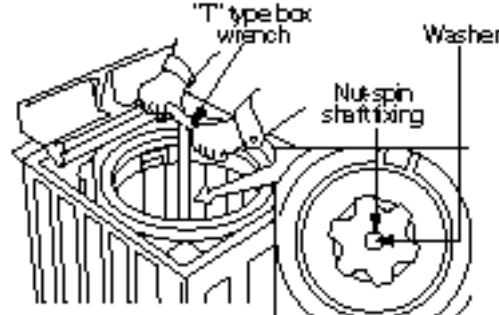
- Raise the top plate on the outer cabinet.
- Loosen four screws mounting outer tub cover and remove outer tub cover from the tub ass'y



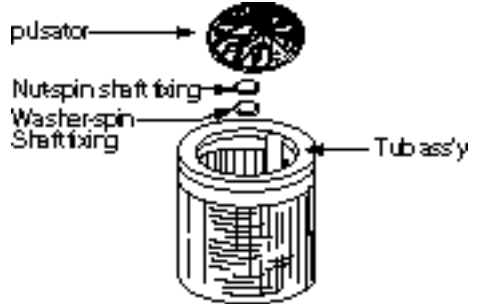
- Loosen the pulsator mounting screw and remove pulsator.



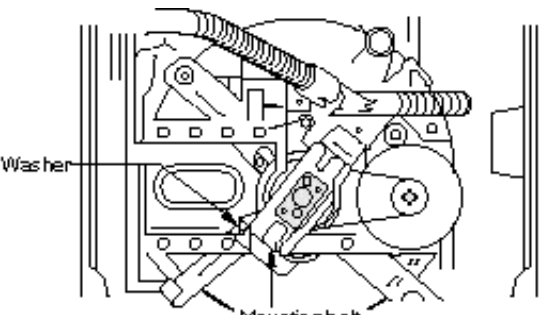
- Remove the pulsator washer.
- Remove the spinner shaft flange nut by using 'T' type box wrench.



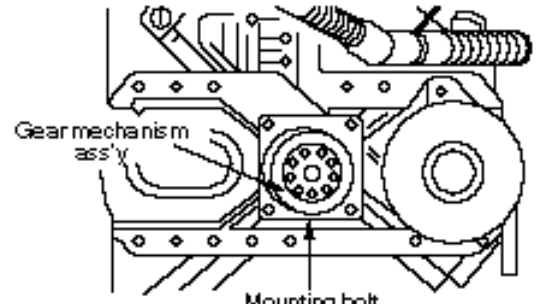
- Remove the tub ass'y.



- Lay the front of the washer on the floor.
- Remove four bolts mounting the plate-gear protect by using a box wrench and remove plate-gear protect.
- Remove the V-belt.



- Remove four bolts mounting the gear mechanism ass'y by using a box wrench.
- Pull out the gear mechanism ass'y.



NOTE: To assemble the gear mechanism ass'y, reverse the disassembly procedure.

8. TROUBLE SHOOTING GUIDE

NOTE:
1. When you replace the P.C.B. ASS'Y do not scratch the surface of the P.C.B. ASS'Y.
2. Disconnect the power cord from the electric outlet.

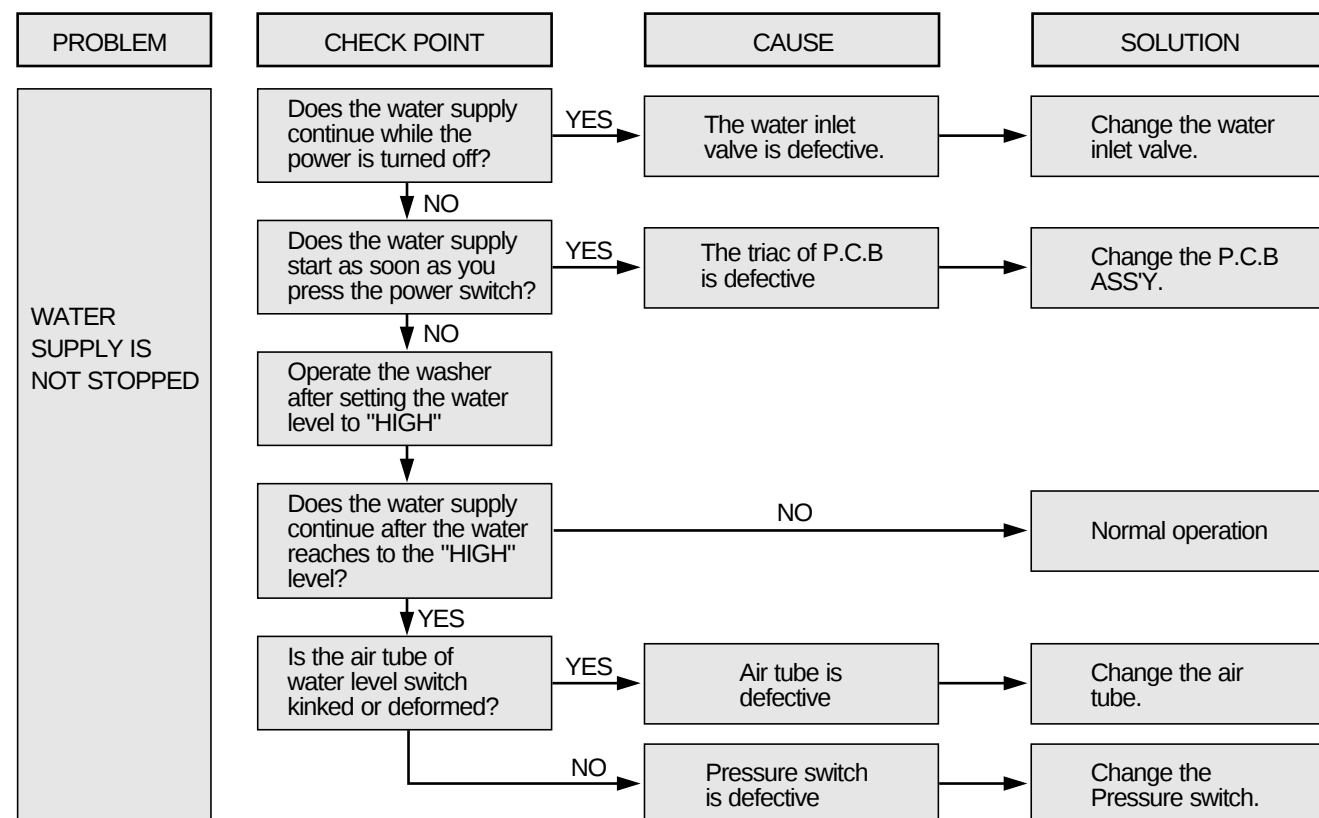
CONCERNING WATER SUPPLY

PROBLEM	CHECK POINT	CAUSE	SOLUTION	
WATER IS NOT SUPPLIED	Do you open the Water tap?	NO	Open the water tap	
	Is the filter of the water inlet valve clogged with dirt?	YES	Clean the filter	
	Is the water pressure sufficient? (0.3~8 kg/cm ²)	NO	Increase the water pressure.	
		YES		
	Does the water inlet valve make operating sound?	NO	Water inlet valve is defective	Change water inlet valve
		YES		
	Is the connector or the terminal connected properly?	NO	Improper connection of the connector or the terminal	Connect the connector or the terminal properly
		YES		
	Is the output voltage of the P.C.B normal?	NO	P.C.B ASS'Y is defective	Change the P.C.B AS
		YES	Lead wire is defective	Change the lead wires

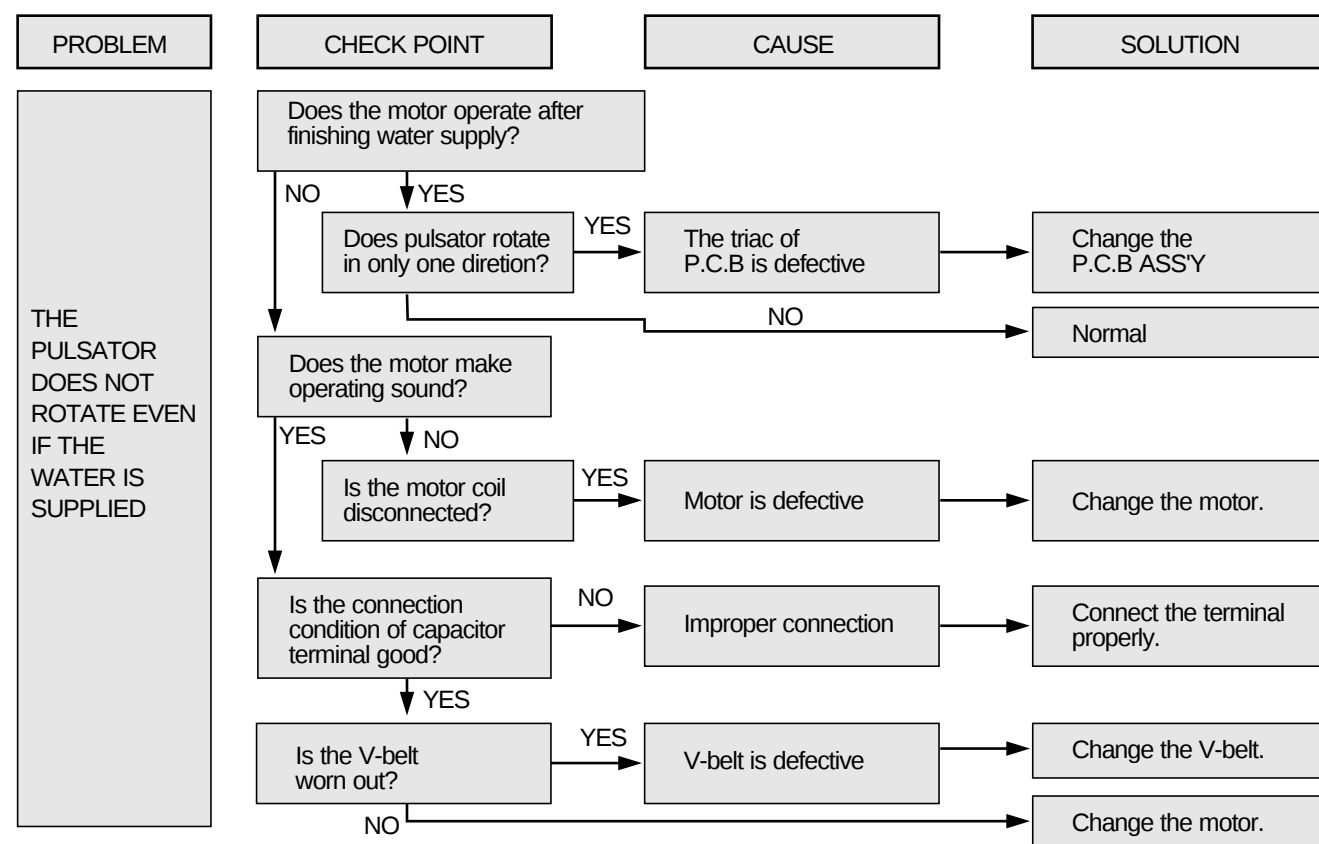
NOTE: Open the water tap fully and measure the flow rate.

Flow rate (l/min)	11.5	15.0	18.0	20.3	24.1	27.4
Water pressure (kg/cm ²)	0.3	0.4	0.5	0.6	0.8	1.0

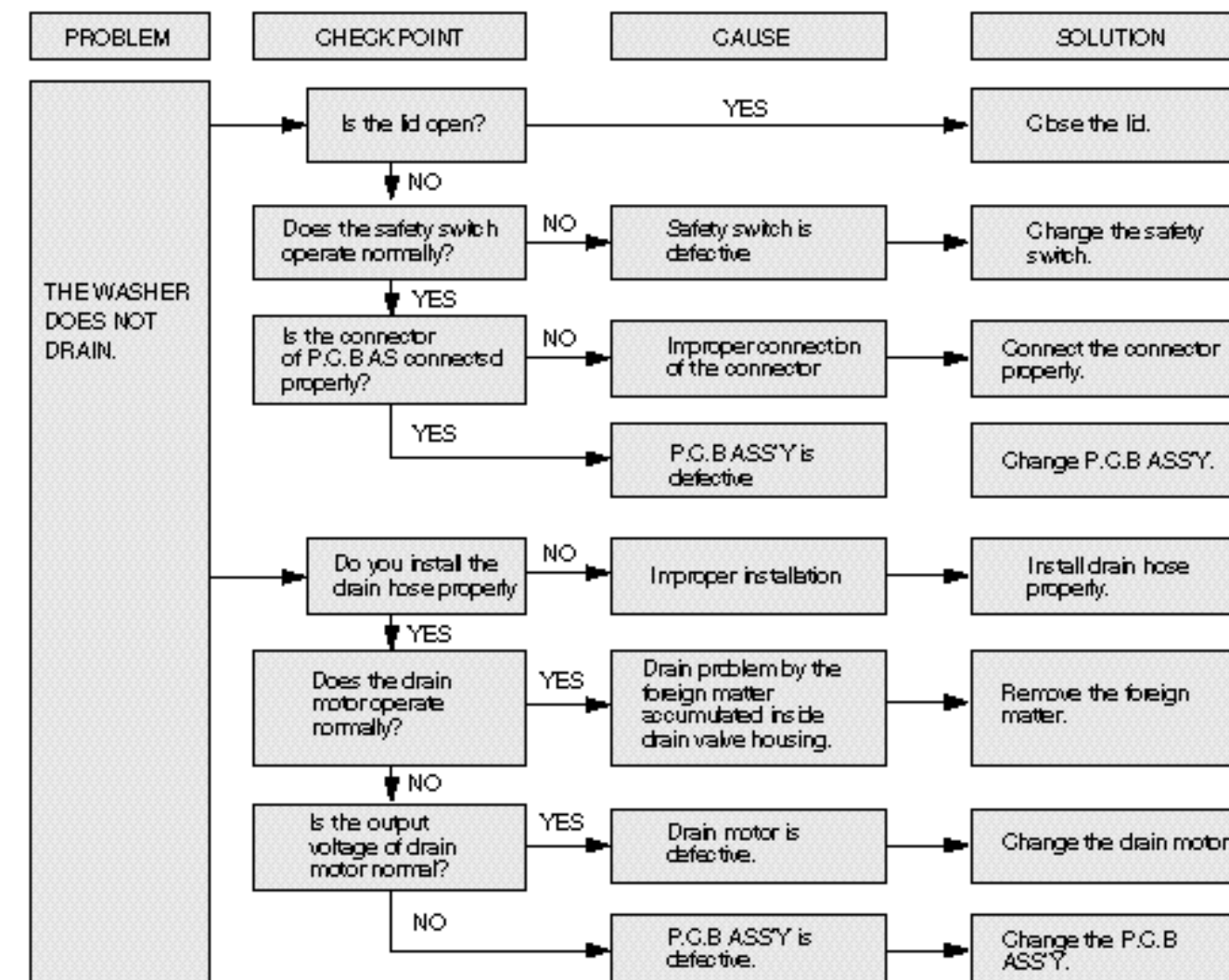
From the upper results, you know that the flow rate more than 11.5 l/min. is essential for water supply.



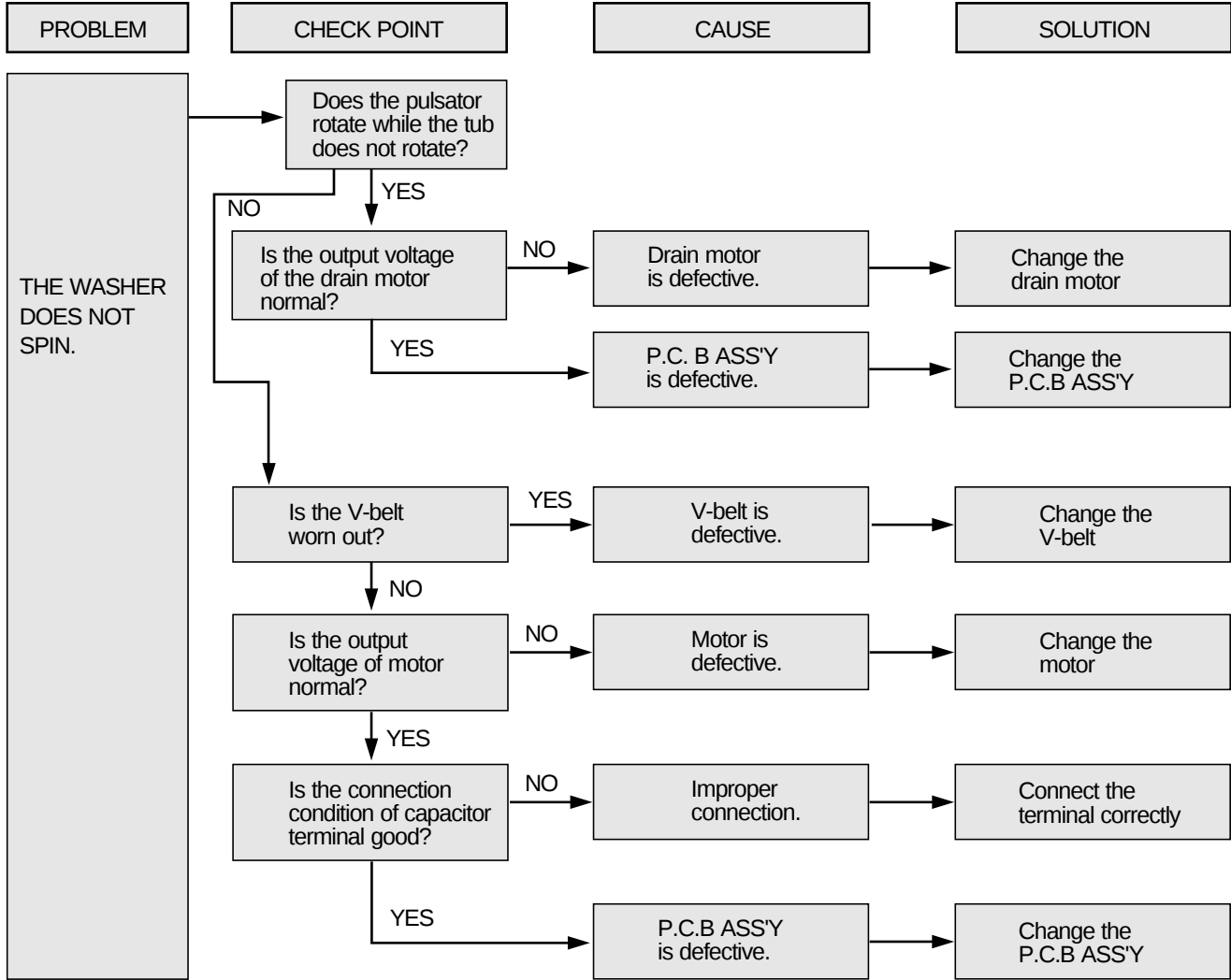
CONCERNING WASHING



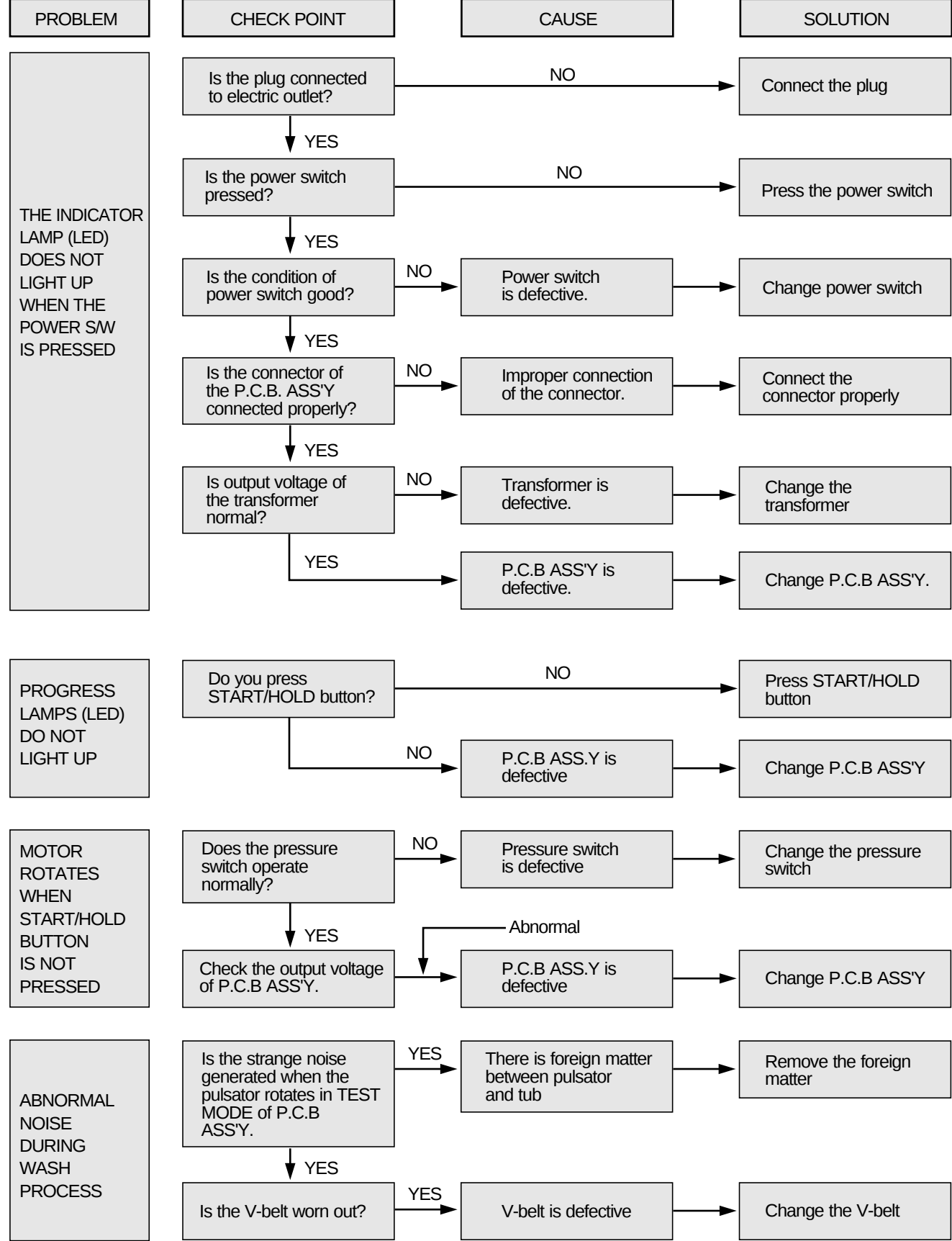
CONCERNING DRAINING



CONCERNING SPINNING

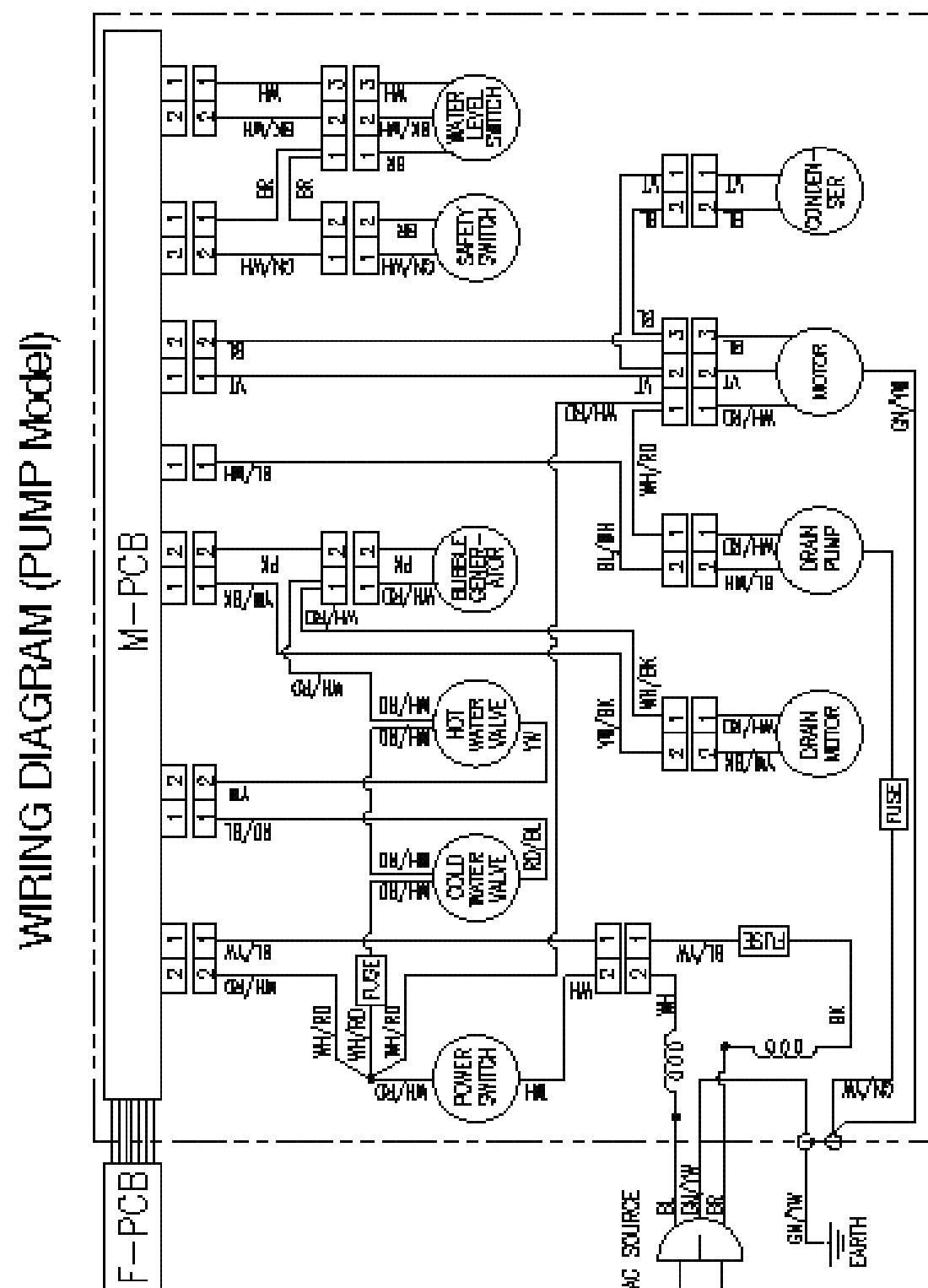


CONCERNING OPERATION

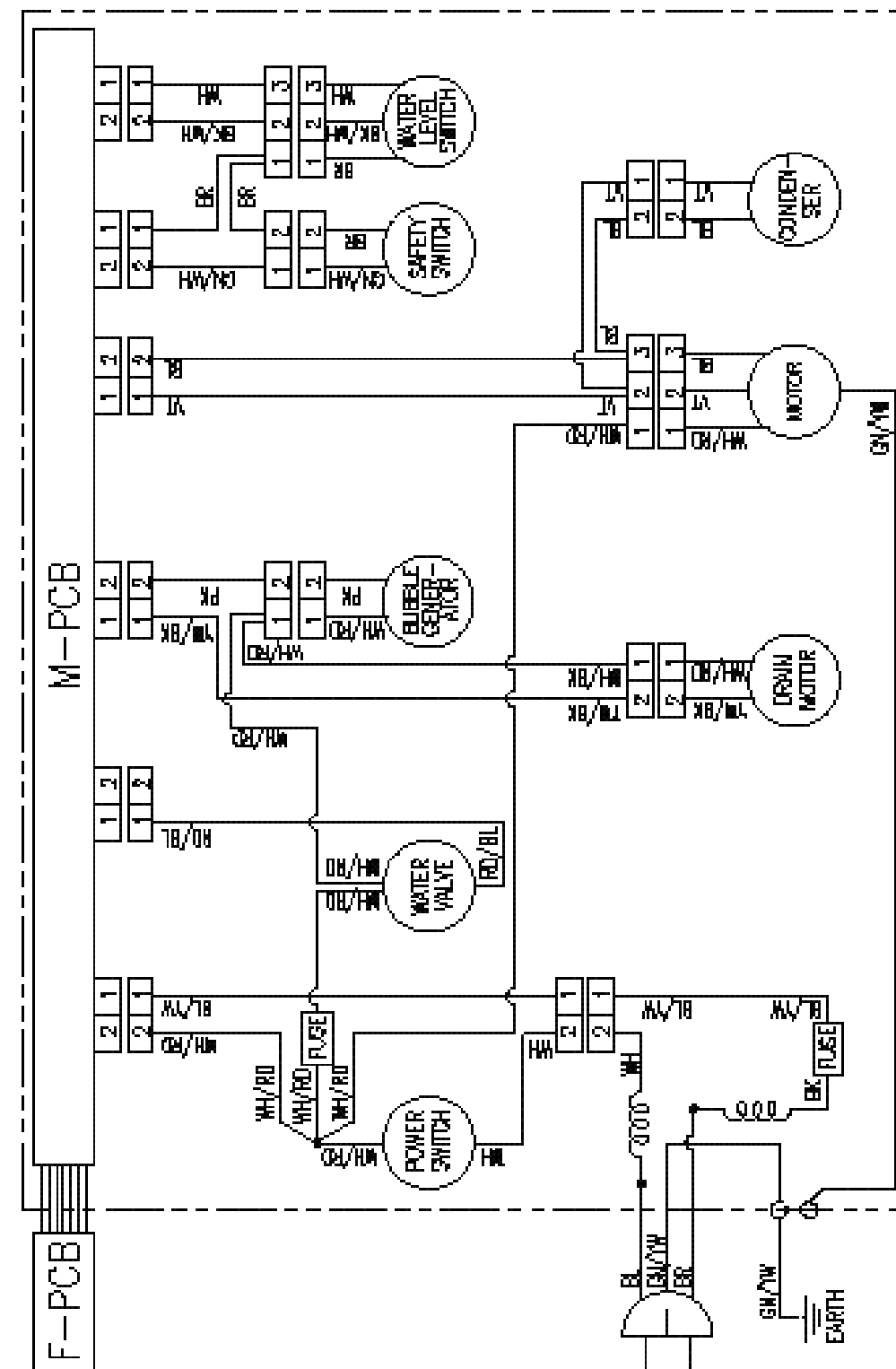


APPENDIX

WIRING DIAGRAM (PUMP MODEL)



WIRING DIAGRAM (Non PUMP Model)



✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

NO.	PART NAME	DESCRIPTIONS	Q'TY	PART CODE	REMARK
P01	GASKET	PVC	2	3612300110	
P02	SCREW TAPPING	T2S TRS 4x16 SUS	2	7122401608	
P03	PANEL REAR	HIPS	1	3614202920	
P04	SWITCH POWER AS	125V/10A, 250V/5A	1	3619006500	
P05	SCREW TAPPING	T2S TRS 4x12 MFZN	2	7122401211	
P06	SCREW TAPPING	T2S TRS 4x12 MFZN	2	7122401211	
P07	PUMP BUBBLE AS	AC 220-240V/50Hz	1	3610016001	PN,PM
	PUMP BUBBLE AS	AC 220V/60Hz	1	4500G85002	PL
	PUMP BUBBLE AS	AC 110V/60Hz	1	3610016021	PT
P08	SCREW TAPPING	T2S TRS 4x12 MFZN	3	7122401211	
P09	VALVE INLET(COLD)	AC 220-240V/50Hz	1	3615403710	PN,PM
	VALVE INLET(COLD)	AC 220V/60Hz	1	3615402010	PL
	VALVE INLET(COLD)	AC 110-130V/60Hz	1	3615403510	PT
P10	VALVE INLET(HOT)	AC 220-240V/50Hz	1	3615403830	PN,PM
	VALVE INLET(HOT)	AC 220V/60Hz	1	3615402130	PL
	VALVE INLET(HOT)	AC 110-130V/50Hz	1	3615403630	PT
P11	BODY INLET	FRPP	1	3610401200	
P12	SCREW TAPPING	T2S TRS 4x12 MFZN	2	122401211	
P13	SWITCH SAFETY	DC 15V/10mA	1	3619006300	
P14	SCREW TAPPING	T2S TRS 4x12 MFZN	2	7122401211	
P15	SCREW TAPPING	T2S TRS 4x12 MFZN	1	7122401211	
P16	SWITCH PRESSURE	PS-D6	1	3619000700	
P17	SPRING * R	SUS 304	1	3615103800	
P18	DOOR B	HIPS	1	3611703540	
P19	COVER DOOR	ABS + METALLIC	1	361403100	
P20	WINDOW DISPLAY	ABS	1	3615501600	
P21	DOOR A	HIPS	1	3611703540	
P22	CUSHION DOOR	CR	4	3611504100	
P23	DECORATOR	PC FILM 0.188T	1	3611611700	
P24	CAP	PS	2	3610906700	
P25	SPECIAL BOLT	T1 TRS 5x73 MFZN	2	3616001200	
P26	PANEL FRONT	HIPS	1	3614203000	
P27	PCB ASSY	AC 220V/50Hz	1	PRPSSWUM00	PN
	PCB ASSY	AC 240V/50Hz	1	PRPSSWUM00	PM
	PCB ASSY	AC 220V/60Hz	1	PRPSSWUP00	PL
	PCB ASSY	AC 110V/60Hz	1	PRPSSWU100	PT
P28	SCREW TAPPING	T2S PAN 4x12 MFZN	7	7121401211	
P29	PLATE TOP	HIPS	1	3614505920	
P30	HARNESS AS	DWF-5550PN	1	3612725620	PN,PM,PL
	HARNESS AS	DWF-5550PT	1	3612725630	PT
P31	FUSE GRASS TUBE	AC 250V/315mA	1	5F3GB3102L	PN,PM,PL
	FUSE GRASS TUBE	AC 250V/600mA	1	5FKGD6012S	PT

✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

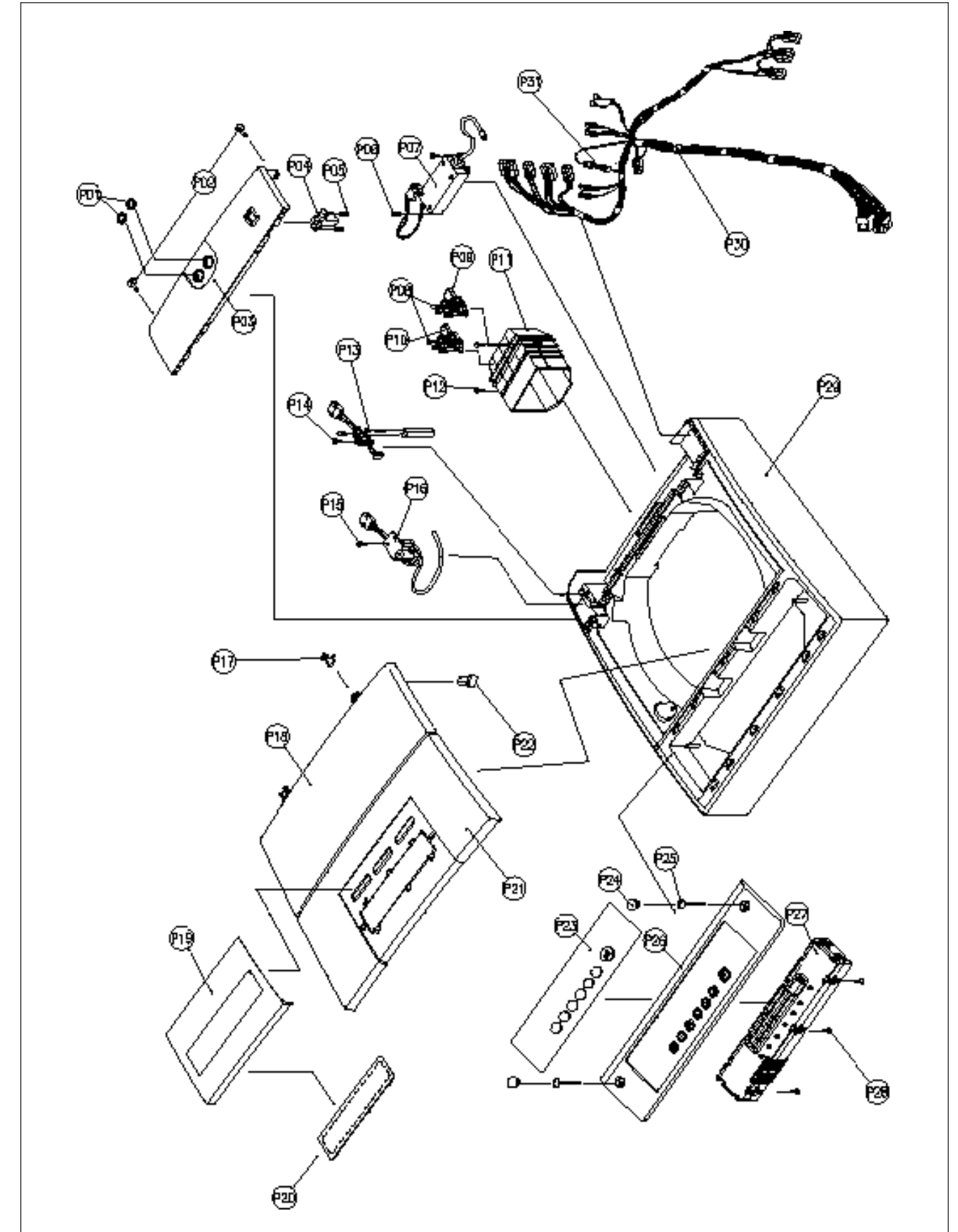
NO.	PART NAME	DESCRIPTIONS	Q'TY	PART CODE	REMARK
C01	SCREW TAPPING	T1 TRS 4x12 MFZN	19	7112401211	
C02	FRAME TOP	PP	1	3612200800	
C03	BASE U	PP	1	3610301310	
C04	LEG ADJUST	PP	2	3617702000	
C05	FOOT	BUTYL RUBBER	2	3612400300	
C06	SCREW TAPPING	T1 TRS 4x12 MFZN	11	7112401211	
C07	FOOT	BUTYL RUBBER	2	4509D10020	
C08	DRAIN PUMP AS	AC 220-240V/50Hz	1	3618907200	PN,PM
	DRAIN PUMP AS	AC 220V/60Hz	1	3618907250	PL
	DRAIN PUMP AS	AC 110V/60Hz	1	3618907260	PT
C09	CONDENSER AS	12.5 F, L=470mm	1	3610031930	PN
	CONDENSER AS	11.4 F, L=470mm	1	3610045630	PM
	CONDENSER AS	13.5 F, L=470mm	1	3610032630	PL
	CONDENSER AS	54.0 F, L=470mm	1	3610076130	PT
C10	SCREW TAPPING	T2S TRS 4x12 SUS	1	7122401208	
C11	SCREW TAPPING	T2S TRS 4x12 BSN1	4	7122401265	
C12	HOSE AS	DWF-5230PN	1	3613203100	
C13	UNIT FUSE FILTER	250V/5A+L/C	1	3618914710	PN,PM,PL
	UNIT FUSE FILTER	250V/4A+L/C	1	3618914700	PN,PM,PL
	UNIT FUSE FILTER	250V/4A+L/C, DIPPING	1	3618914730	HUNGARY
	UNIT FUSE FILTER	250V/8A+L/C	1	3618914720	PT
C14	FUSE GRASS TUBE	AC 250V/5A	1	5F3GB5022L	PN,PM,PL
	FUSE GRASS TUBE	AC 250V/4A	1	5FKGD4022S	PN,PM,PL
	FUSE GRASS TUBE	AC 250V/8A	1	3610006110	PT
C15	CEC	ST CE-230	2	4505A63030	
C16	HANDEL CABINET	PR-HD	2	3612600700	
C17	SCREW MACHINE	PAN 4x10 BSNI	1	7001401065	
C18	CABINET	SGCC(0.6t)+PAINTING	1	3610801600	
C19	CORD POWER AS	BUYER SPEC.	1	-	
C20	SCREW TAPPING	T1 TRS 4x10 SUS	4	7112401008	
C21	COVER BACK	PP	1	3611404400	
C22	SCREW TAPPING	T2S TRS 4x12 SUS	6	7122401208	
C23	PLATE UPPER	PP	1	3614502000	
T01	ASSY FILTER	PP	1	3610085500	
T02	GUIDE FILTER	PP	1	4505E05030	
T03	SPECIAL SCREW	6 x 26.5	1	4505E32030	
T04	PULSATOR	PP (JI-330)	1	3619701000	
T05	INSERT PULSATOR	SMS 1025	1	4509K32030	
T06	SPECIAL NUT	SUS 304 T2.0	1	4507D83080	
T07	WAVE WASHER	SUS 301 T1.8	1	3616006500	
T08	BALANCER AS	2.75kg	1	4505E30000	
T09	SPECIAL SCREW	5.2 x 18	6	4505E05050	

✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

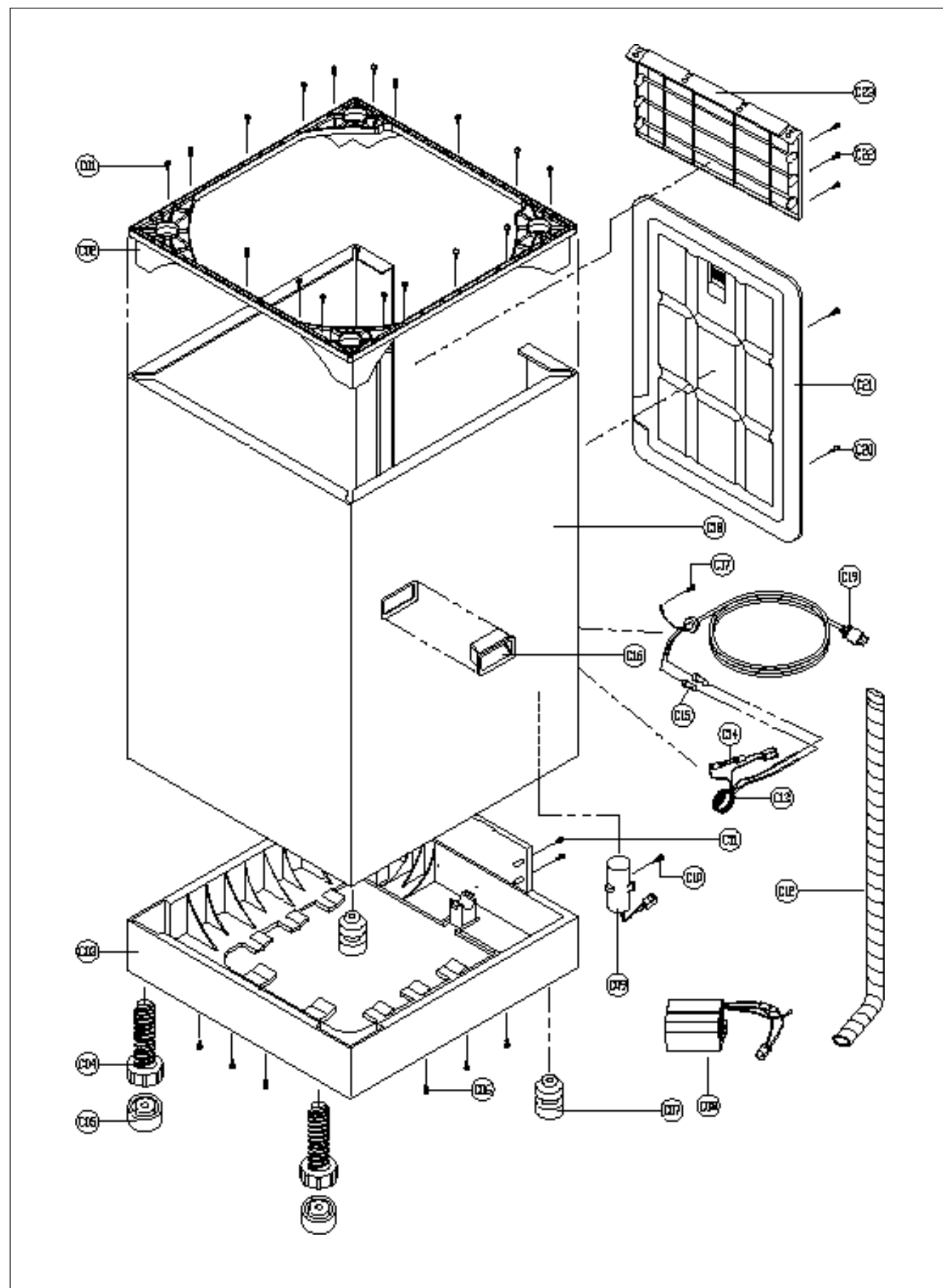
NO.	PART NAME	DESCRIPTIONS	Q'TY	PART CODE	REMARK
T10	TUB I	PP(JI-360)	1	4505E05010	
T11	FLANGE TUB	ADC-10	1	4505E05021	
T12	SPECIAL SCREW	5 x 24	6	4505E05040	
T13	SCREW TAPPING	T2S TRS 4x16 MFZN	4	7122401611	
T14	NOZZLE AS	BUBBLING	1	3618101400	
T15	COVER TUB * O	PP	1	3611407500	
T16	TUB * O	PP (JI-370)	1	3618802410	
T17	PIN SUSPENSION	HSW3	4	4509M25020	
T18	SUPPORTER SUSPEN.	PP	4	4509K25040	
T19	ROD SUSPENSION	SWRCH L=525mm	4	3618501000	
T20	CAP	NYLON	4	3610902300	
T21	SPRING SUSPEN.	HSW3 YW, L=100	2	3615104400	FRONT
	SPRING SUSPEN.	HSW3 WH, L=90	2	3615105800	BACK
T22	CAP SUSPENSION	NYLON 6	4	4507B76000	
T23	SCREW BOLT BASE	6.5 x 23	15	4505E83100	
T24	CLAMP	SWC	1	4500D08180	
T25	HOSE	ID=0.8, OD=12.0	1	4500D08170	
T26	SPECIAL WASHER	NYLON 66	2	4505E34030	
T27	MOTOR CONDENSER	AC 220V/50Hz	1	3964311030	PN
	MOTOR CONDENSER	AC 240V/50Hz	1	3964610430	PM
	MOTOR CONDENSER	AC 220V/60Hz	1	3964320510	PL
	MOTOR CONDENSER	AC 110V/60Hz	1	3964220710	PT
T28	SPECIAL WASHER	NYLON 66	2	4505E34040	
T29	BOLT HEX	6B-1 8x25 MFZN	2	7650802511	
T30	PULLEY MOTOR	ADC-12"ø10/60.5	1	3618401310	PN
	PULLEY MOTOR	ADC-12"ø10/53.0	1	4507D20011	PM
	PULLEY MOTOR	ADC-12"ø10/48.5	1	3618401100	PL,PT
T31	CLAMP	HSW3	1	3611201000	
T32	HOSE DRAIN I	LDPE+EVA, L=184mm	1	3613212100	
T33	BOLT HEX	6B-1-6x20 MFZN	1	7342602011	
T34	NUT HEX	6N-3-6 MFZN	1	7393600011	
T35	BELT V	M20	1	4507D34020	PN,PM
	BELT V	M19.5	1	4507B34020	PL,PT
T36	SPECIAL BOLT	6B-1 6*16 SW MFZN	4	7341601611	
T37	PROTECT GEAR	SBHG 1.6T	1	3618301300	
T38	BOLT HEX	6B-1 8x16 SW MFZN	4	7640801611	
T39	GEAR MECHANISM	GM-4200, NTN	1	3617303800	
T40	GEAR SPACER	SUS 304	1	4505E34091	
T41	BASE	SECEN T1.6	1	3610302900	
T42	SPECIAL BOLT BASE	6.5 x 23	3	4505E83100	
T43	MOTOR SYNCHRONOUS	AC 220-240V/50Hz	1	3966010140	PN,PM
	MOTOR SYNCHRONOUS	AC 220V/60Hz	1	3966320230	PL
	MOTOR SYNCHRONOUS	AC 110V/60Hz	1	450ED45040	PT

✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

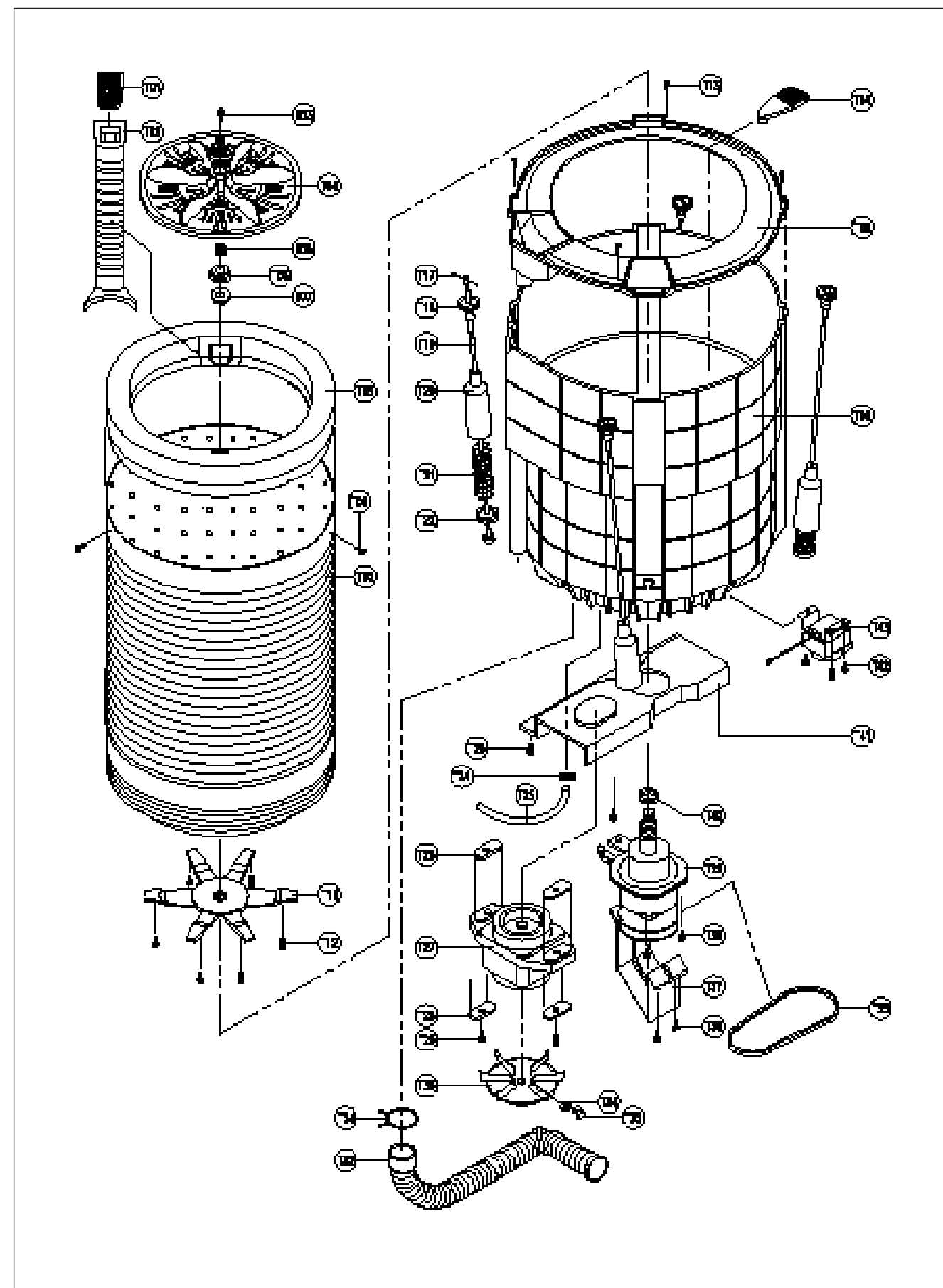
PARTS DIAGRAM (PUMP MODEL)



✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)



✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)



✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

PART LIST (NON PUMP MODEL)

NO.	PART NAME	DESCRIPTIONS	Q'TY	PART CODE	REMARK
P01	GASKET	PVC	1	3612300110	
P02	SCREW TAPPING	T2S TRS 4x16 SUS	2	7122401608	
P03	PANEL REAR	HIPS	1	3614202920	SINGLE VALVE TYPE
P04	SWITCH POWER AS	125V/10A, 250V/5A	1	3619006500	
P05	SCREW TAPPING	T2S TRS 4x12 MFZN	2	7122401211	
P06	SCREW TAPPING	T2S TRS 4x12 MFZN	2	7122401211	
P07	PUMP BUBBLE AS	AC 220-240V/50Hz	1	3610016001	CNE,CME
	PUMP BUBBLE AS	AC 220V/60Hz	1	4500G85002	CLE
	PUMP BUBBLE AS	AC 110V/600Hz	1	3610016021	CTE
P08	SCREW TAPPING	T2S TRS 4x12 MFZN	3	7122401211	
P09	VALVE INLET(COLD)	AC 220-240V/50Hz	1	3615403710	CNE,CME
	VALVE INLET(COLD)	AC 220V/60Hz	1	3615402010	CLE
	VALVE INLET(COLD)	AC 110-130V/60Hz	1	3615403510	CTE
P10	BODY INLET	FRPP	1	3610401210	SINGLE VALVE TYPE
P11	SCREW TAPPING	T2S TRS 4x12 MFZN	2	7122401211	
P12	SWITCH SAFETY	DC 15V/10mA, SF-040G	1	3619006300	CNE,CLE,CTE
	SWITCH SAFETY	DC 15V/10mA, SF-040C	1	3619003300	CME
P13	SCREW TAPPING	T2S TRS 4x12 MFZN	2	7122401211	
P14	SCREW TAPPING	T2S TRS 4x12 MFZN	1	7122401211	
P15	SWITCH PRESSURE	PS-D6	1	3619000700	
P16	SPRING * R	SUS 304	1	3615103800	
P17	DOOR B	HIPS	1	3611703540	
P18	COVER DOOR	ABS + METALLIC	1	361403100	
P19	WINDOW DISPLAY	ABS	1	3615501600	
P20	DOOR A	HIPS	1	3611703540	
P21	CUSHION DOOR	CR	4	3611504100	
P22	DECORATOR	PC FILM 0.188T	1	3611611700	
P23	CAP	PS	2	3610906700	
P24	SPECIAL BOLT	T1 TRS 5x73 MFZN	2	3616001200	
P25	PANEL FRONT	HIPS	1	3614203000	
P26	PCB ASSY	AC 220V/50Hz	1	PRPSSWU200	CNE
	PCB ASSY	AC 230~240V/50Hz	1	PRPSSWUQ00	CME
	PCB ASSY	AC 220V/60Hz	1	PRPSSWU300	CLE
	PCB ASSY	AC 110V/60Hz	1	PRPSSWUR00	CTE
P27	SCREW TAPPING	T2S PAN 4x12 MFZN	7	7121401211	
P28	PLATE TOP	HIPS	1	3614505920	
P29	HARNESS AS	DWF-5550CNE	1	3612725660	CNE,CME,CLE
	HARNESS AS	DWF-5550CTE	1	3612725640	CTE
P30	FUSE GRASS TUBE	AC 250V/315mA	1	5F3GB3102L	CNE,CME,CLE
	FUSE GRASS TUBE	AC 250V/600mA	1	5FKGD6012S	CTE
C01	SCREW TAPPING	T1 TRS 4x12 MFZN	19	7112401211	
C02	FRAME TOP	PP	1	3612200800	

✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

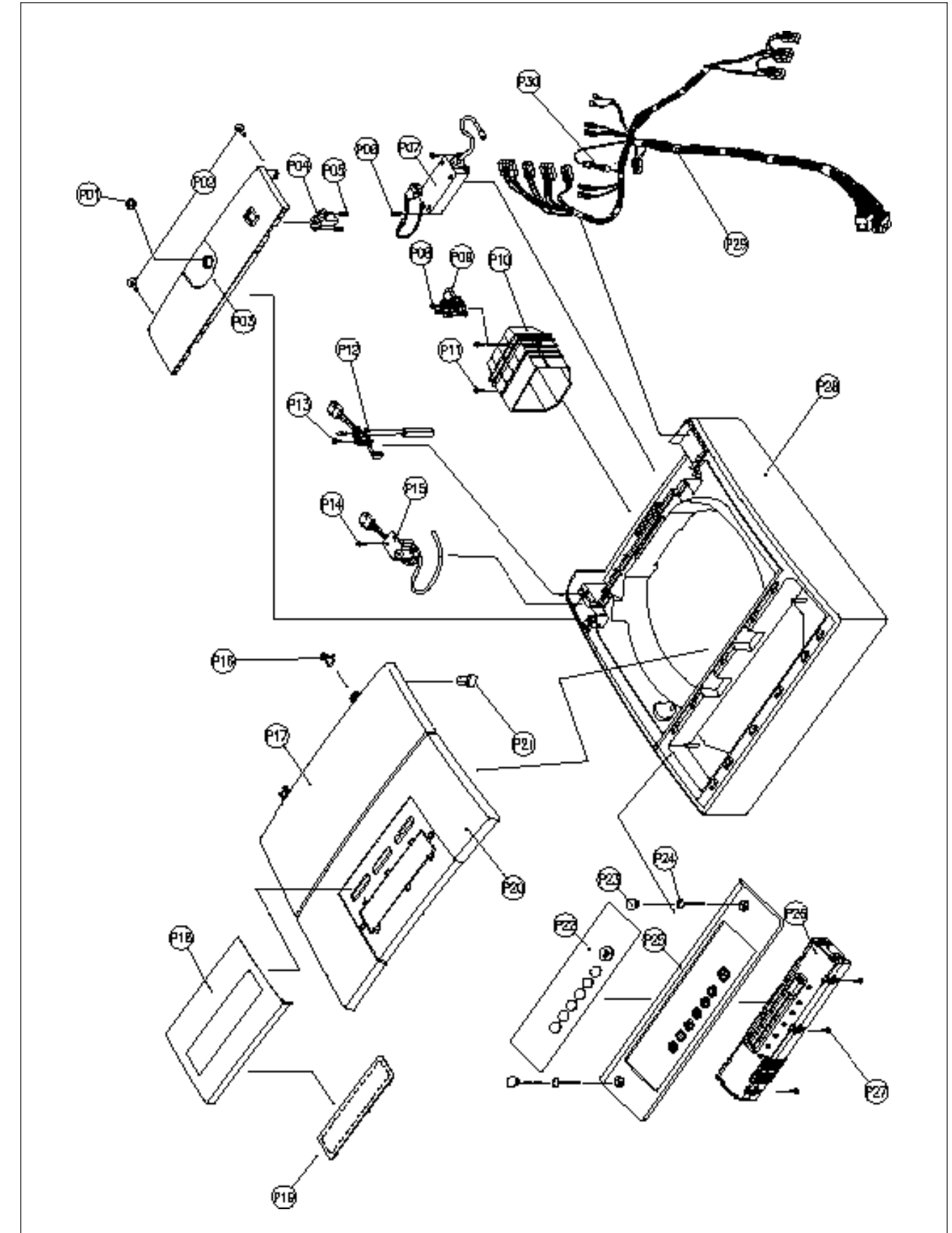
NO.	PART NAME	DESCRIPTIONS	Q'TY	PART CODE	REMARK
C03	BASE U	PP	1	3610301310	
C04	LEG ADJUST	PP	2	3617702000	
C05	FOOT	BUTYL RUBBER	2	3612400300	
C06	SCREW TAPPING	T1 TRS 4x12 MFZN	11	7112401211	
C07	FOOT	BUTYL RUBBER	2	4509D10020	
C08	CONDENSER AS	12.5 F, L=470mm	1	3610031930	CNE
	CONDENSER AS	11.4 F, L=470mm	1	3610045630	CME
	CONDENSER AS	13.5 F, L=470mm	1	3610032630	CLE
	CONDENSER AS	54.0 F, L=470mm	1	3610076130	CTE
C09	SCREW TAPPING	T2S TRS 4x12 SUS	1	7122401208	
C10	SCREW TAPPING	T2S TRS 4x12 BSN1	4	7122401265	
C11	HOSE AS	EVA L=950	1	3613213500	
C12	UNIT FUSE FILTER	250V/5A+L/C	1	3618914710	CNE,CME,CLE
	UNIT FUSE FILTER	250V/4A+L/C	1	3618914700	CNE,CME,CLE
	UNIT FUSE FILTER	250V/8A+L/C	1	3618914720	CTE
C13	FUSE GRASS TUBE	AC 250V/5A	1	5F3GB5022L	CNE,CME,CLE
	FUSE GRASS TUBE	AC 250V/4A	1	5FKGD4022S	CNE,CME,CLE
	FUSE GRASS TUBE	AC 250V/8A	1	3610006110	CTE
C14	CEC	ST CE-230	2	4505A63030	
C15	HANDEL CABINET	PR-HD	2	3612600700	
C16	SCREW MACHINE	PAN 4x10 BSNI	1	7001401065	
C17	CABINET	SGCC(0.6t)+PAINTING	1	3610801600	
C18	CORD POWER AS	BUYER SPEC.	1	-	
C19	SCREW TAPPING	T1 TRS 4x10 SUS	4	7112401008	
C20	COVER BACK	PP	1	3611404400	
C21	SCREW TAPPING	T2S TRS 4x12 SUS	6	7122401208	
C22	PLATE UPPER	PP	1	3614502000	
T01	ASSY FILTER	PP	1	3610085500	
T02	GUIDE FILTER	PP	1	4505E05030	
T03	SPECIAL SCREW	6 x 26.5	1	4505E32030	
T04	PULSATOR	PP (JI-330)	1	3619701000	
T05	INSERT PULSATOR	SMS 1025	1	4509K32030	
T06	SPECIAL NUT	SUS 304 T2.0	1	4507D83080	
T07	WAVE WASHER	SUS 301 T1.8	1	3616006500	
T08	BALANCER AS	2.75kg	1	4505E30000	
T09	SPECIAL SCREW	5.2 x 18	6	4505E05050	
T10	TUB I	PP(JI-360)	1	4505E05010	
T11	FLANGE TUB	ADC-10	1	4505E05021	
T12	SPECIAL SCREW	5 x 24	6	4505E05040	
T13	SCREW TAPPING	T2S TRS 4x16 MFZN	4	7122401611	
T14	NOZZLE AS	BUBBLING	1	3618101400	
T15	COVER TUB * O	PP	1	3611407500	

✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

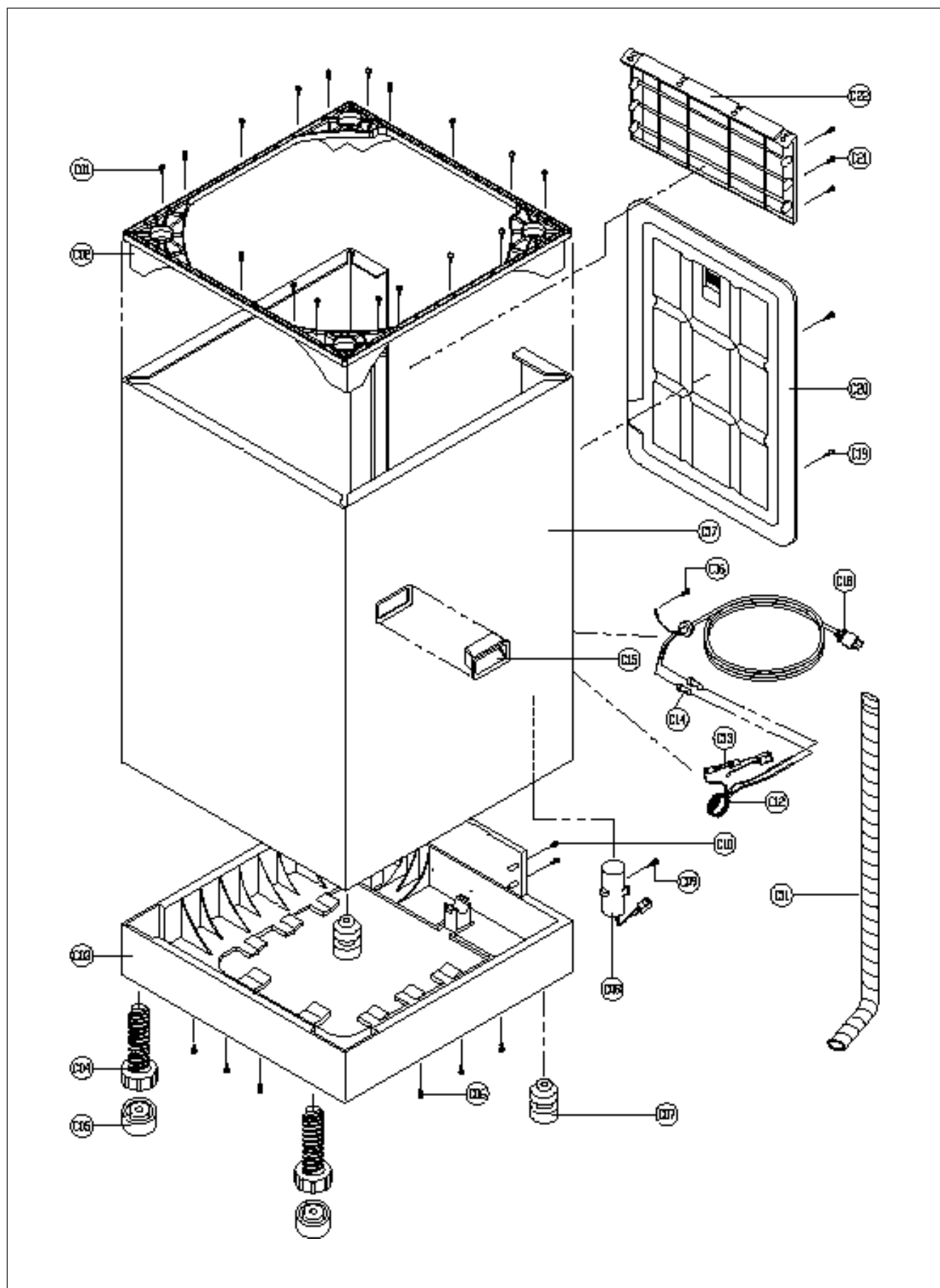
NO.	PART NAME	DESCRIPTIONS	Q'TY	PART CODE	REMARK
T16	TUB * O	PP (JI-370)	1	3618802410	
T17	PIN SUSPENSION	HSW3	4	4509M25020	
T18	SUPPORTER SUSPEN.	PP	4	4509K25040	
T19	ROD SUSPENSION	SWRCH L=525mm	4	3618501000	
T20	CAP	NYLON	4	3610902300	
T21	SPRING SUSPEN.	HSW3 YW, L=100	2	3615104400	FRONT
	SPRING SUSPEN.	HSW3 WH, L=90	2	3615105800	BACK
T22	CAP SUSPENSION	NYLON 6	4	4507B76000	
T23	HOSE OVERFLOW	PELD	1	3613208900	
T24	VALVE DRAIN AS	DWF-5591D	1	3615404000	
T25	SCREW BOLT BASE	6.5X23	15	4505E83100	
T26	CLAMP	SWC	1	4500D08180	
T27	HOSE	ID=8.0, OD=12.0	1	4500D08170	
T28	SPECIAL WASHER	NYLON 66	2	4505E34030	CNE,CLE,CTE
	CUSHION UPPER	POM	2	3611502000	CME
T29	MOTOR CONDENSER	AC 220V/50Hz	1	3964610430	CNE
	MOTOR CONDENSER	AC 230-240V/50Hz	1	3964310140	CME
	MOTOR CONDENSER	AC 220V/60Hz	1	3964320710	CLE
	MOTOR CONDENSER	AC 110V/60Hz	1	3964220710	CTE
T30	SPECIAL WASHER	NYLON 66	2	4505E34040	CNE,CLE,CTE
	CUSHION DOWN	POM,H=18mm	2	3611502800	CME
T31	BOLT HEX	6B-1 8x25 MFZN	2	7650802511	CNE,CLE,CTE
	BOLT HEX	8x42 MFZN	4	7650804211	CME
T32	PULLEY MOTOR	ADC-12"φ10/60.5	1	3618401310	CNE
	PULLEY MOTOR	ADC-12"φ10/53.0	1	4507D20011	CME
	PULLEY MOTOR	ADC-12"φ10/48.5	1	3618401100	CLE,CTE
T33	CLAMP	HSW3	1	3611201000	
T32	HOSE DRAIN I	LDPE+EVA, L=184mm	1	3613212100	
T33	BOLT HEX	6B-1-6x20 MFZN	1	7342602011	
T34	NUT HEX	6N-3-6 MFZN	1	7393600011	
T35	BELT V	M20	1	4507D34020	CNE, CME
	BELT V	M19.5	1	4507B34020	CLE, CTE
T36	SPECIAL BOLT	6B-1 6*16 SW MFZN	4	7341601611	
T37	PROTECT GEAR	SBHG 1.6T	1	3618301300	
T38	BOLT HEX	6B-1 8x16 SW MFZN	4	7640801611	
T39	GEAR MECHANISM	GM-4200, NTN	1	3617303800	
T40	GEAR SPACER	SUS 304	1	4505E34091	
T41	BASE	SECEN T1.6	1	3610302900	
T42	SPECIAL BOLT BASE	6.5 x 23	3	4505E83100	
T43	MOTOR SYNCHRONOUS	AC 220-240V/50Hz	1	3966010120	CNE, CME
	MOTOR SYNCHRONOUS	AC 220V/60Hz	1	3966320210	CLE
	MOTOR SYNCHRONOUS	AC 110V/60Hz	1	450ED45020	CTE

✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

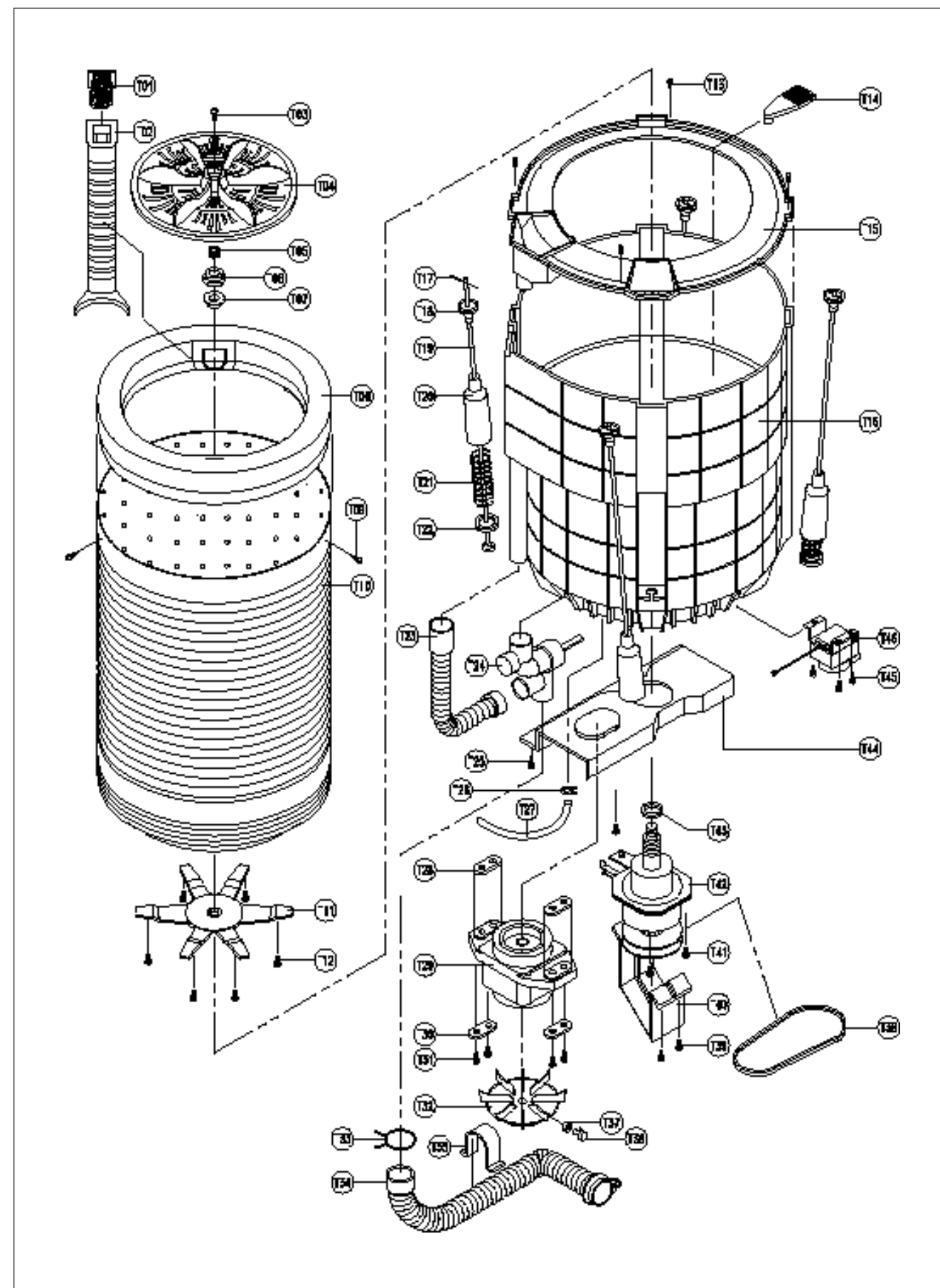
PARTS DIAGRAM (NON PUMP MODEL)



✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)



✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)



✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

P.C.B PARTS LIST

REF NO.	PART CODE	PART NAME	DESCRIPTION	REMARK
BUZ1	3615900200	BUZZER	GPB-B-23N2. 8ED 3PIN	
CON1	3619507400	CONNECT ASS'Y	WAFER HOUSING-2P(WHITE)	
CON2	3619507200	CONNECT ASS'Y	WAFER HOUSING-2P(YELLOW)	
CON3	3619507100	CONNECT ASS'Y	WAFER HOUSING-2P(RED)	
CON4	3619507600	CONNECT ASS'Y	WAFER HOUSING-2P(VIOLET)	
CON5	3619507500	CONNECT ASS'Y	WAFER HOUSING-2P(GRAY)	
CON6	3619507300	CONNECT ASS'Y	WAFER HOUSING-2P(BLUE)	
CON7	3691950700	CONNECT ASS'Y	WAFER HOUSING-2P(WHITE)	NON-PUMP DELETE
C2	CEXE1C471A	C ELECTRO	16V RS 470uF	
C3	CEXF1E102V	C ELECTRO	25V RSS 1000uF	
C4	CMXB2E683J	C MYLER	EU 250V AC 0.068uF	
C5	CMXB2E683J	C MYLER	EU 250V AC 0.068uF	
C6	CMXB2J103K	C MYLER	EU 250V AC 0.01uF	NON-PUMP DELETE
C7	CMXB2J103K	C MYLER	EU 250V AC 0.01uF	
C8	CMXB2J103K	C MYLER	EU 250V AC 0.01uF	
C9	CMXB2J223K	C MYLER	EU 250V AC 0.022uF	
C10	CMXB2223K	C MYLER	EU 250V AC 0.022uF	COLD-ONLY DELETE
FW3	3612702500	HARNESS FLAT	120mm,8P	
FW4	3612702500	HARNESS FLAT	120mm,8P	
IC5	1TD62004AP	DRIVE IC	TD62004AP	
IC6	1L7806----	IC REGULATO	L7806	
IC7	DTLP521GB	PHOTO COUPLER	TLP521-GB	
SCREW	7001301011	SCREW MACHINE	PAN 3*10 MFZN	
TRANS	5EP1035030	TRANS POWER	T7-V2	
TRC1	TSM12JZ47F	TRIAC	12A,LEAD FORMAING TYPE	
TRC2	TSM12JZ47F	TRIAC	12A,LEAD FORMAING TYPE	
TRC4	TSM8JZ47F-	TRIAC	8A, LEAD FORMAING TYPE	NON-PUMP DELETE
TRC5	TBCR1AMAB-	TRIAC	1A, LEAD FORMAING TYPE	
TRC6	TBCR1AMAB-	TRIAC	1A, LEAD FORMAING TYPE	
TRC7	TBCR1AMAB-	TRIAC	1A, LEAD FORMAING TYPE	COLD-ONLY DELETE
WAS	4507D72300	SPECIAL WASHER	REGULATOR, TRIAC	
ZNR1	DSVC471D14	VARISTOR	SVC471D14A	
0001	4EFR-37120	HEAT SINK	REGULATOR, 21X16X16	
0002	3615700200	HEAT SINK	TRIAC,60X25X3	
C1	CEXF1E470V	C ELECTRO	25V RSS 47uF	
Q1	TZTC3202Y-	TR	KTC3202Y	
Q2	TZTA1270Y-	TR	KTA1270Y	
Q3	TZTC3202Y-	TR	KTC3202Y	
Q4	TZTA1270Y-	TR	KTA1270Y	
Q5	TZTC3202Y-	TR	KTC3202Y	
Q6	TZTA1270Y-	TR	KTCA1270Y	5550CDME DELETE
Q7	TZTC3202Y-	TR	KTC3202Y	
C11	CCKF1H104Z	C CERA	50V 0.1uF AXIAL	
C12	CCKF1H104Z	C CERA	50V 0.1uF AXIAL	
C13	CCKF1H104Z	C CERA	50V 0.1uF AXIAL	
C14	CCZF1E103Z	C CERA	25V 0.01uF AXIAL	
C15	CCKF1H104Z	C CERA	50V 0.1uF AXIAL	
C16	CCKF1H104Z	C CERA	50V 0.1uF AXIAL	

✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

REF NO.	PART CODE	PART NAME	DESCRIPTION	REMARK
C17	CCKF1H104Z	C CERA	50V 0.1uF AXIAL	
C18	CCKF1H104Z	C CERA	50V 0.1uF AXIAL	NON-PUMP DELETE
C19	CCKF1H104Z	C CERA	50V 0.1uF AXIAL	
C20	CCKF1H104Z	C CERA	50V 0.1uF AXIAL	
C21	DKN4003A--	DIODE	KN4003A	
D1	DKN4003A--	DIODE	KN4003A	
D2	DKN4003A--	DIODE	KN4003A	
C3	DKN4003A--	DIODE	KN4003A	
D4	DKN4003A--	DIODE	KN4003A	
D5	DKN4003A--	DIODE	KN4003A	
D6	DKN4003A--	DIODE	KN4003A	
D7	DKN4003A--	DIODE	KN4003A	
D8	DKN4003A--	DIODE	KN4003A	
J7	W581GY1005	JUMP WIRE	AWG22 1/0.65 SN 10 AUTO	5550CDME INSERT
J11	W581GY1005	JUMP WIRE	AWG22 1/0.65 SN 10 AUTO	NON-PUMP DELETE
J15	W581GY1005	JUMP WIRE	AWG22 1/0.65 SN 10 AUTO	COLD-ONLY DELETE
R1	RD-4Z221JK	R CARBON FILM	1/4W 220 OHM J	
R2	RD-4Z103JK	R CARBON FILM	1/4W 10K OHM J	
R3	RD-4Z392JK	R CARBON FILM	1/4W 3.9K OHM J	
R4	RD-4Z103JK	R CARBON FILM	1/4W 10K OHM J	
R5	RD-4Z473JK	R CARBON FILM	1/4W 47K OHM J	
R6	RD-4Z103JK	R CARBON FILM	1/4W 10K OHM J	
R7	RD-4Z392JK	R CARBON FILM	1/4W 3.9K OHM J	
R8	RD-4Z102JK	R CARBON FILM	1/4W 1K OHM J	
R9	RD-4Z221JK	R CARBON FILM	1/4W 220 OHM J	
R10	RD-2Y101J-	R CARBON FILM	1/2W 100 OHM J	
R11	RD-4Z102JK	R CARBON FILM	1/4W 1K OHM J	
R12	RD-4Z103JK	R CARBON FILM	1/4W 10K OHM J	
R13	RD-4Z471JK	R CARBON FILM	1/4W 470 OHM J	
R14	RD-4Z471JK	R CARBON FILM	1/4W 470 OHM J	COLD-ONLY DELETE
R15	RD-4Z471JK	R CARBON FILM	1/4W 470 OHM J	
R16	RD-2Y101J-	R CARBON FILM	1/2W 470 OHM J	
R17	RD-2Y101J-	R CARBON FILM	1/2W 100K OHM J	
R18	RD-4Z471JK	R CARBON FILM	1/4W 470K OHM J	
R19	RD-4Z103JK	R CARBON FILM	1/4W 10K OHM J	
R20	RD-4Z103JK	R CARBON FILM	1/4W 3.9K OHM J	
R21	RD-4Z392JK	R CARBON FILM	1/4W 3.9K OHM J	
R22	RD-4Z392JK	R CARBON FILM	1/4W 22K OHM J	
R23	RD-4Z223JK	R CARBON FILM	1/4W 10K OHM J	
R24	RD-4Z103JK	R CARBON FILM	1/4W 220K OHM J	
R25	RD-4Z221JK	R CARBON FILM	1/4W 1K OHM J	
R26	RD-4Z102JK	R CARBON FILM	1/4W 3.9K OHM J	5550CDME DELETE
R27	RD-4Z392JK	R CARBON FILM	1/4W 3.9K OHM J	5550CDME DELETE
R28	RD-4Z392JK	R CARBON FILM	1/4W 10K OHM J	5550CDME DELETE
R29	RD-4Z103JK	R CARBON FILM	1/4W 10K OHM J	
R30	RD-4Z103JK	R CARBON FILM	1/4W 10K OHM J	
R31	RD-4Z392JK	R CARBON FILM	1/4W 3.9K OHM J	
R32	RS02Z104JS	R M-OXIDE FILM	2W 100K OHM J (SMALL TYPE)	
R33	RS01Y101J-	R M-OXIDE FILM	1W 100 OHM J	
R34	RS01Y101J-	R M-OXIDE FILM	1W 100 OHM J	
R35	RS01Y101J-	R M-OXIDE FILM	1W 100 OHM J	

✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

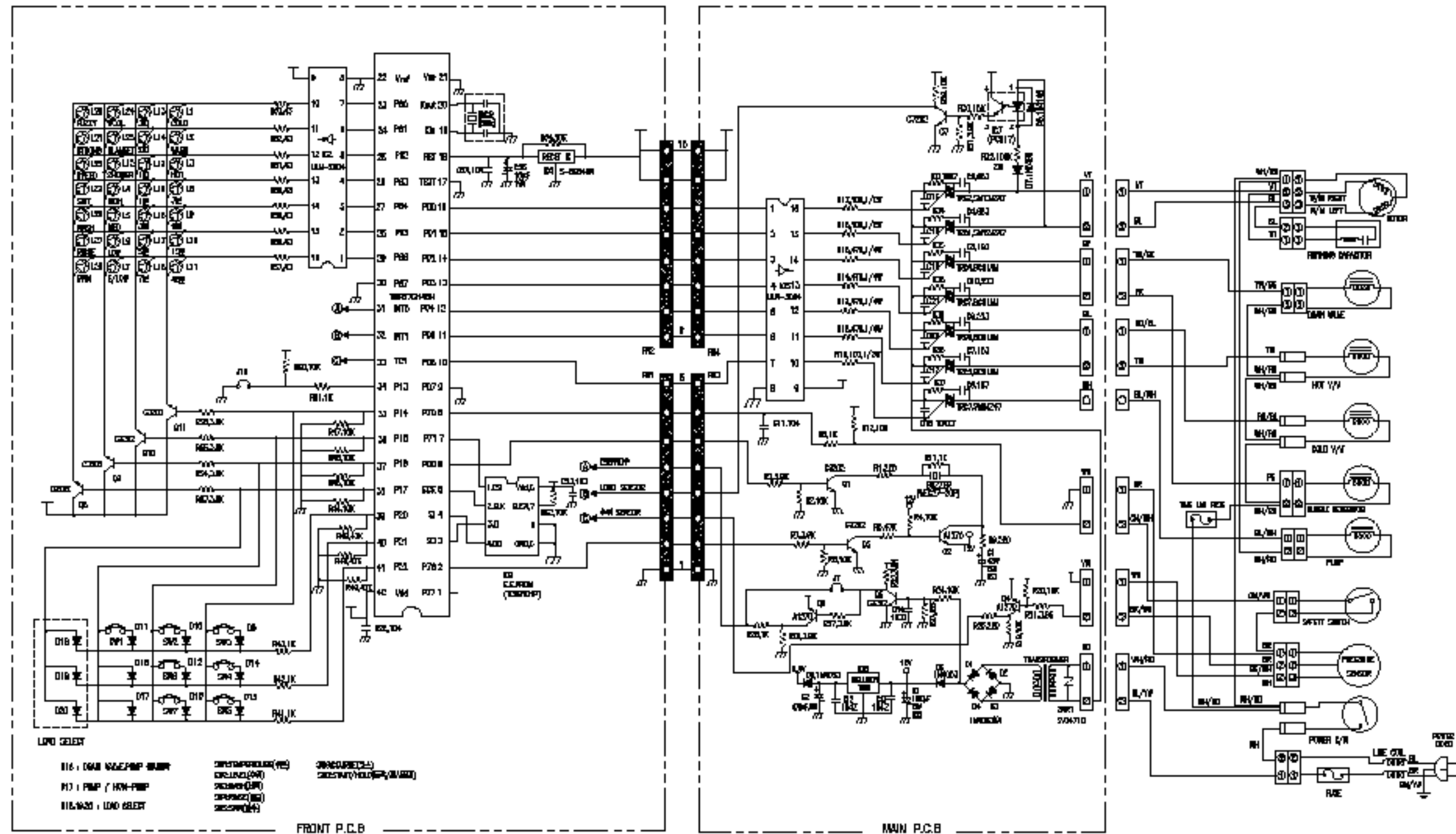
REF NO.	PART CODE	PART NAME	DESCRIPTION	REMARK
R36	RS01Y101J-	R M-OXIDE FILM	1W 100 OHM J	
R37	RS01Y101J-	R M-OXIDE FILM	1W 100 OHM J	NON-PUMP DELETE
R38	RS01Y101J-	R M-OXIDE FILM	1W 100 OHM J	COLD-ONLY DELETE
R39	RS01Y101J-	R M-OXIDE FILM	1W 100 OHM J	
IC1	13GR87CH47	IC MICOM	TMP87CH46N-4648	
IC2	1TD62004AP	DRIVE IN	TD62004AP	
IC3	1TC89101P-	SW TACT	TC89101P	
SW1	5S50101400	SW TACT	KQB-902 1C 1P	COLD-ONLY DELETE
SW2	5S50101400	SW TACT	KQB-902 1C 1P	
SW3	5S50101400	SW TACT	KQB-902 1C 1P	
SW4	5S50101400	SW TACT	KQB-902 1C 1P	
SW5	5S50101400	SW TACT	KQB-902 1C 1P	
SW6	5S50101400	SW TACT	KQB-902 1C 1P	
SW7	5S50101400	SW TACT	KQB-902 1C 1P	
0001	3613008500	HOLDER LED A	PS	
0002	3613008600	HOLDER LED B	PS	
C.M.R	5PCST800MT	RESONATOR CERA	CST800MTW	
C25	CEXE1C100A	C ELECTRO	16V 10uF RS 5X11 TAPPING	
IC4	1S8054HNZ-	IC AUDIO RESET	S-8054HN-Z,TAPPING(B0X)	
L1	DDLVR4813D	LED-LAMP	DLVR-4813D	COLD-ONLY DELETE
L10	DDLVR4813D	LED-LAMP	DLVR-4813D	
L11	DDLVR4813D	LED-LAMP	DLVR-4813D	
L12	DDLVR4813D	LED-LAMP	DLVR-4813D	
L13	DDLVR4813D	LED-LAMP	DLVR-4813D	
L14	DDLVR4813D	LED-LAMP	DLVR-4813D	
L15	DDLVR4813D	LED-LAMP	DLVR-4813D	
L16	DDLVR4813D	LED-LAMP	DLVR-4813D	
L17	DDLVR4813D	LED-LAMP	DLVR-4813D	
L18	DDLVR4813D	LED-LAMP	DLVR-4813D	
L19	DDLVR4813D	LED-LAMP	DLVR-4813D	
L2	DDLVR4813D	LED-LAMP	DLVR-4813D	COLD-ONLY DELETE
L20	DDLVR4813D	LED-LAMP	DLVR-4813D	
L21	DDLVR4813D	LED-LAMP	DLVR-4813D	
L22	DDLVR4813D	LED-LAMP	DLVR-4813D	
L23	DDLVR4813D	LED-LAMP	DLVR-4813D	
L24	DDLVR4813D	LED-LAMP	DLVR-4813D	
L25	DDLVR4813D	LED-LAMP	DLVR-4813D	
L26	DDLVR4813D	LED-LAMP	DLVR-4813D	
L27	DDLVR4813D	LED-LAMP	DLVR-4813D	
L28	DDLVR4813D	LED-LAMP	DLVR-4813D	
L3	DDLVR4813D	LED-LAMP	DLVR-4813D	COLD-ONLY DELETE
L4	DDLVR4813D	LED-LAMP	DLVR-4813D	
L5	DDLVR4813D	LED-LAMP	DLVR-4813D	
L6	DDLVR4813D	LED-LAMP	DLVR-4813D	
L7	DDLVR4813D	LED-LAMP	DLVR-4813D	
L8	DDLVR4813D	LED-LAMP	DLVR-4813D	
L9	DDLVR4813D	LED-LAMP	DLVR-4813D	
Q8	TZTC3202Y-	TR	KTC3202Y(AUTO)	
Q9	TZTC3202Y-	TR	KTC3202Y(AUTO)	
Q10	TZTC3202Y-	TR	KTC3202Y(AUTO)	
Q11	TZTC3202Y-	TR	KTC3202Y(AUTO)	

✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

REF NO.	PART CODE	PART NAME	DESCRIPTION	REMARK
C22	CCKF1H104Z	C CERA	50V 0.1uF Z AXIAL	
C23	CCZF1E103Z	C CERA	25V 0.01uFZ AXIAL	
C24	CCKF1H104Z	C CERA	50V 0.1uF Z AXIAL	
D9	DKN4148---	DIODE	KN4148 AUTO 26mm	
D10	DKN4148---	DIODE	KN4148 AUTO 26mm	
D11	DKN4148---	DIODE	KN4148 AUTO 26mm	COLD-ONLY DELETE
D12	DKN4148---	DIODE	KN4148 AUTO 26mm	
D13	DKN4148---	DIODE	KN4148 AUTO 26mm	
D14	DKN4148---	DIODE	KN4148 AUTO 26mm	
D15	DKN4148---	DIODE	KN4148 AUTO 26mm	
D16	DKN4148---	DIODE	KN4148 AUTO 26mm	
D17	DKN4148---	DIODE	KN4148 AUTO 26mm	PUMP DELETE NON-PUMP INSERT
D18	DKN4148---	DIODE	KN4148 AUTO 26mm	
D19	DKN4148---	DIODE	KN4148 AUTO 26mm	
D20	DKN4148---	DIODE	KN4148 AUTO 26mm	
R40	RD-4Z473JK	R CARBON FILM	1/4W 47 OHM J	
R41	RD-4Z102JK	R CARBON FILM	1/4W 47 OHM J	
R42	RD-4Z102JK	R CARBON FILM	1/4W 47 OHM J	
R43	RD-4Z102JK	R CARBON FILM	1/4W 47 OHM J	
R44	RD-4Z1031K	R CARBON FILM	1/4W 47 OHM J	
R45	RD-4Z103JK	R CARBON FILM	1/4W 47 OHM J	
R46	RD-4Z103JK	R CARBON FILM	1/4W 47 OHM J	
R47	RD-4Z103JK	R CARBON FILM	1/4W 47 OHM J	
R48	RD-4Z473JK	R CARBON FILM	1/4W 47 OHM J	
R49	RD-4Z473JK	R CARBON FILM	1/4W 47 OHM J	
R50	RD-4Z103JK	R CARBON FILM	1/4W 47 OHM J	
R51	RD-4Z102JK	R CARBON FILM	1/4W 47 OHM J	
R52	RD-4Z103JK	R CARBON FILM	1/4W 47 OHM J	
R53	RD-4Z392JK	R CARBON FILM	1/4W 47 OHM J	
R54	RD-4Z392JK	R CARBON FILM	1/4W 47 OHM J	
R55	RD-4Z392JK	R CARBON FILM	1/4W 47 OHM J	
R56	RD-4Z392JK	R CARBON FILM	1/4W 47 OHM J	
R57	RD-4Z430JK	R CARBON FILM	1/4W 47 OHM J	
R58	RD-4Z430JK	R CARBON FILM	1/4W 47 OHM J	
R59	RD-4Z430JK	R CARBON FILM	1/4W 47 OHM J	
R60	RD-4Z430JK	R CARBON FILM	1/4W 47 OHM J	
R61	RD-4Z430JK	R CARBON FILM	1/4W 47 OHM J	
R62	RD-4Z430JK	R CARBON FILM	1/4W 47 OHM J	
R63	RD-4Z430JK	R CARBON FILM	1/4W 47 OHM J	
R64	RD-4Z103JK	R CARBON FILM	1/4W 47 OHM J	
00030	3614305000	PCB	138X275(M,F-PCB)	
00040	3611115300	CASE PCB MAIN	HIPS	
00050	3611115400	CASE PCB F	HIPS	
00060	7121400811	SCREW TAPPING	T2S PAN 4X8 MFZN	
00070	2222090310	RESIN PUR	UE-28-1 A	
00080	2222090320	RESIN PUR	UE-28-1 B	

CIRCUIT DIAGRAM

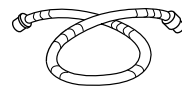
CIRCUIT DIAGRAM



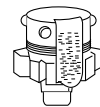
3. STRUCTURE OF THE WASHING MACHINE

ACCESSORIES

Inlet Hose (2 Pcs)

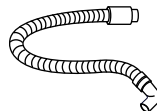


Water Tap Adapter (2 Pcs)

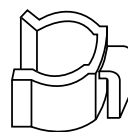


In case of screw-shaped inlet hoses, water tap adapters will not be provided.

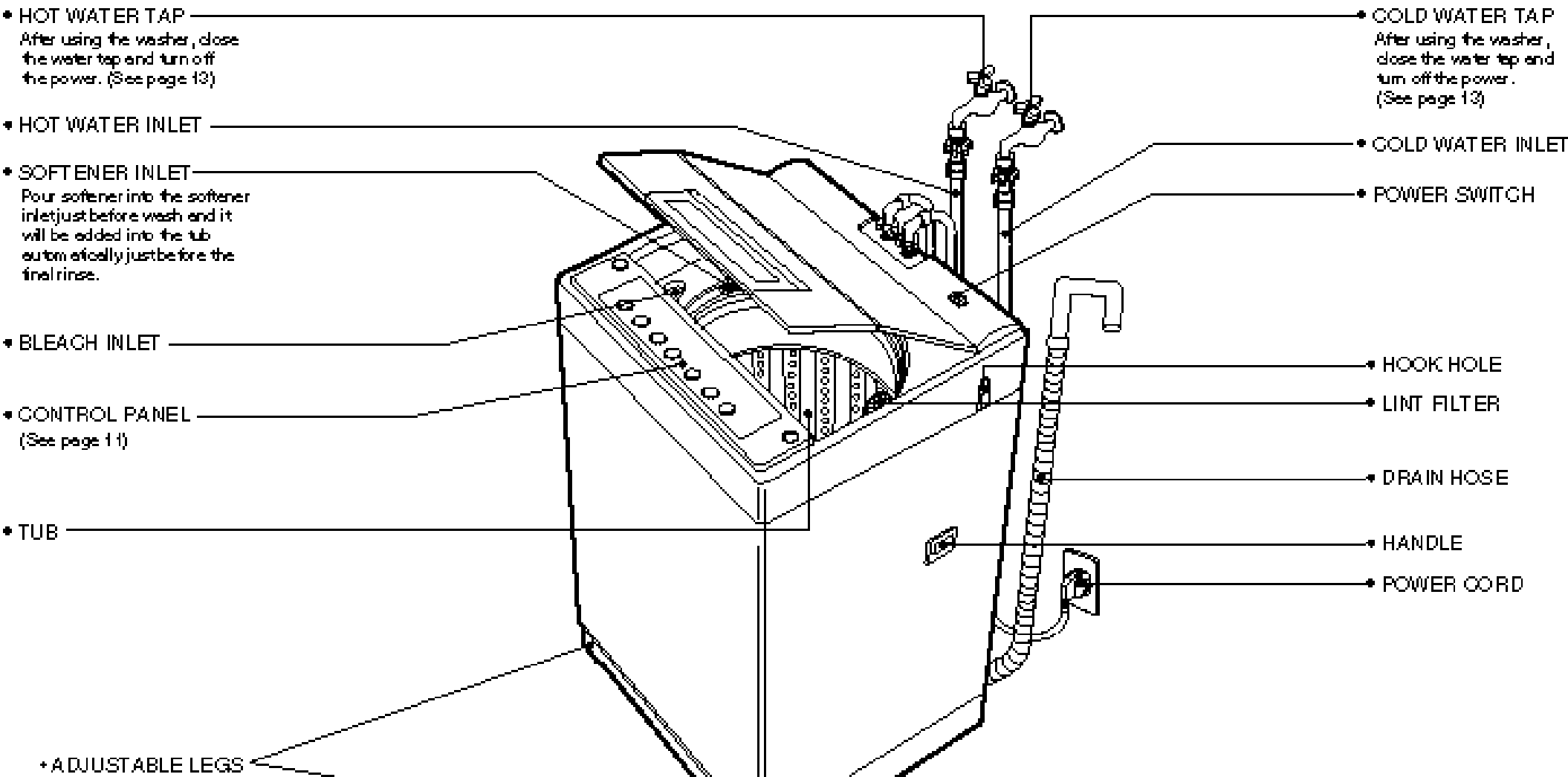
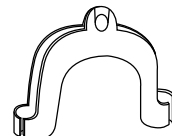
Drain Hose



Hose Fixture



Guide Drain Hose



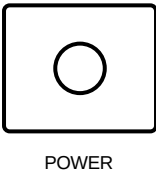
4. FUNCTION OF THE CONTROL PANEL

CONTROL PANEL

It has micom sensor.
As the buttons are pressed, the lamps indicating the selection of you desired washing program will light up.

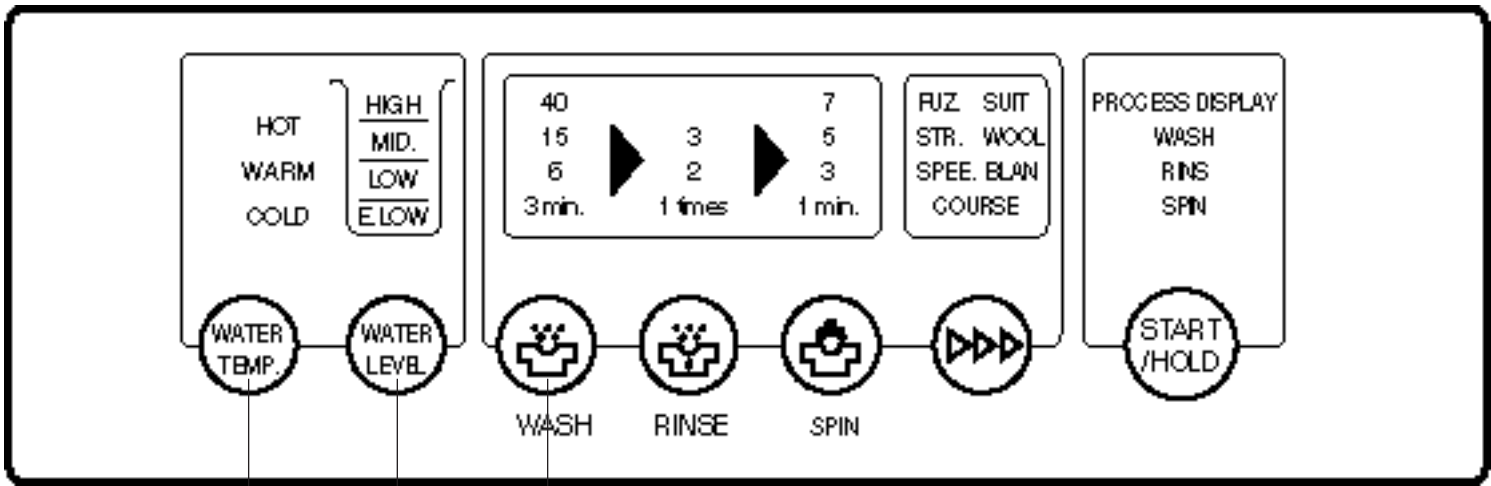
Power Switch

- Press this switch to turn the power ON or OFF.
- After turning off the power, wait for more than 3 seconds and then turn it on again.



Start/Hold Button

- Press this button to begin operation or to stop operation temporarily.
- Operation and temporary stop are repeated as it is pressed.



Temperature Selection Button

- This button is used to select the water temperature according to the clothes being washed.
- Press this button until your desired temperature indicato light comes on.
- Warm means the mixed inlet of cold and hot water.

Water Level Selection Button

- This button is used to select the washing water level according to the size of the wash load.

Water Selector

- This above three buttons can be used to bring the three washing stages under control.

Course Selection Button

- This button is used to select the washing course according to the type of the clothes being washed.
- You can choose one of the eight courses by pressing this button until your desired course indicator light comes on.

S/M NO. : DW5550DPN1

DAEWOO
DAEWOO ELECTRONICS CO., LTD.
686, AHYEON-DONG MAPO-GU SEOUL, KOREA
C.P.O. BOX 8003 SEOUL, KOREA
TELEX: DWELEC K28177-8
CABLE: "DAEWOOELEC"
FAX: 02) 590-6291
TEL: 02) 360-7114/590-6151~5
<http://www.dwe.daewoo.co.kr>

PRINTED DATE: MAR.1997

Service Manual

Full-Auto Electric Washing Machine

Model : DWF-5550 Series

✓ Caution

: In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center (<http://svc.dwe.co.kr>).



DAEWOO ELECTRONICS CO., LTD.
OVERSEAS SERVICE DEPT.